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- 1.295 servlet-api 6.0.0**
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- 1.296 libc-utils 0.7.2-r5**
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- 1.424 simple-launcher 1.1.0.14**
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- 1.425 google.golang.org/genproto/googleapis/rpc 0.0.0-20230822172742-b8732ec3820d**
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- 1.483 github.com/neo4j/neo4j-go-driver/v5 5.12.0**
- 1.483.1 Available under license
- 1.484 [ssl-client](#) 1.36.1-r5**
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- 1.485 [neo4j-java-driver](#) 5.14.0**
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- 1.486 [libcrypto3](#) 3.1.4-r1**
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1.511 hashicorp-go-immutable-radix 1.3.1

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1.512 githubcomgolangprotobuf 1.5.3

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1.513 github.com/jcmtturner/dnsutils/v2 2.0.0

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1.515 github.com/jcmtturner/aescts/v2 2.0.0

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- 1.529 coreos-semver 0.3.0**
- 1.529.1 Available under license
- 1.530 netty-transport-native-epoll 4.1.94.Final**
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- 1.535 zstd 1.5.2**
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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

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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 wjjpgcom.
*.1 Unix-style man pages for programs (same info as usage.doc).
wizard.doc Advanced usage instructions for JPEG wizards only.
change.log Version-to-version change highlights.

Programmer and internal
documentation:

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

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

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

OVERVIEW

=====

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

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

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

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

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

in JFIF files.

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

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

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

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the

resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

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REFERENCES

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We

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

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

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

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

The

JPEG standard itself is not available electronically; you must order a paper copy through ISO or ITU. (Unless you feel a need to own a certified

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

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

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

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

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

The TIFF 6.0 file format specification can be obtained by FTP from <ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz>. The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems. IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6). Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from <ftp.sgi.com> 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/jpegsrsrc.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/](http://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

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

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

notably [ftp://wuarchive.wustl.edu/graphics/graphics/packages/NetPBM/](http://wuarchive.wustl.edu/graphics/graphics/packages/NetPBM/). Unfortunately PBPLUS/NETPBM is not nearly as portable as the IJG software is;

you are likely to have difficulty making it work on any non-Unix machine.

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

FILE FORMAT WARS

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

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

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

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

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

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

TO DO

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

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

As always, speeding things up is of great interest.

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

1.2 junit 3.8.1

1.2.1 Available under license :

from <https://github.com/junit-team/junit/wiki/FAQ> the Supplier's website FAQ:

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1.3 json-simple 1.1

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1.4 commons-collections 3.2.2

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1.5 commons-http-client 3.1

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 * $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/auth/MalformedChallengeException.java,v 1.6
2004/05/13 04:02:00 mbecke Exp $
 * $Revision: 480424 $
 * $Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) $
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```
/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/HttpException.java,v 1.19 2004/09/30 18:53:20 olegk
Exp $
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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-jar/org/apache/commons/httpclient/HttpException.java

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/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-commons/httpclient/src/java/org/apache/commons/httpclient/HttpMethodBase.java,v 1.222 2005/01/14 21:16:40 olegk Exp \$

* \$Revision: 539441 \$

* \$Date: 2007-05-18 14:56:55 +0200 (Fri, 18 May 2007) \$

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/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-commons/httpclient/src/java/org/apache/commons/httpclient/auth/DigestScheme.java,v 1.22 2004/12/30 11:01:27 oglueck Exp \$

* \$Revision: 480424 \$

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* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/auth/HttpAuthenticator.java,v 1.19 2004/10/06
17:32:04 olegk Exp $
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/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/HttpMethodRetryHandler.java,v 1.2 2004/09/14
20:11:31 olegk Exp $
* $Revision: 480424 $
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/*
 * $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/ConnectTimeoutException.java,v 1.5 2004/07/05
22:46:58 olegk Exp $
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/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/StatusLine.java,v 1.14 2004/07/19 20:24:21 olegk Exp
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* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/methods/GetMethod.java,v 1.29 2004/06/13 20:22:19
olegk Exp $
* $Revision: 480424 $
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 jar/org/apache/commons/httpclient/methods/GetMethod.java

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 * \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
 commons/httpclient/src/java/org/apache/commons/httpclient/ChunkedOutputStream.java,v 1.16 2004/05/13
 04:03:25 mbecke Exp \$
 * \$Revision: 480424 \$
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commons/httpclient/src/java/org/apache/commons/httpclient/MultiThreadedHttpConnectionManager.java,v 1.47
2004/12/21 11:27:55 olegk Exp \$

* \$Revision: 564906 \$
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* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-commons/httpclient/src/java/org/apache/commons/httpclient/protocol/SSLProtocolSocketFactory.java,v 1.10 2004/05/13 04:01:22 mbecke Exp \$

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Found in path(s):

* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-jar/org/apache/commons/httpclient/protocol/SSLProtocolSocketFactory.java

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

/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-

commons/httpclient/src/java/org/apache/commons/httpclient/Header.java,v 1.17 2004/09/15 20:42:17 olegk Exp \$

* \$Revision: 480424 \$

* \$Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) \$

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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
jar/org/apache/commons/httpclient/Header.java

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

/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/WireLogOutputStream.java,v 1.7 2004/06/24 21:39:52
mbecke Exp \$

* \$Revision: 480424 \$

* \$Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) \$

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Found in path(s):

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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
jar/org/apache/commons/httpclient/WireLogOutputStream.java
No license file was found, but licenses were detected in source scan.

```

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/*
* $HeadRL$
* $Revision: 480424 $
* $Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) $
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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
jar/org/apache/commons/httpclient/InvalidRedirectLocationException.java
No license file was found, but licenses were detected in source scan.

/*
* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/HeaderElement.java,v 1.23 2004/05/13 04:03:25
mbecke Exp \$
* \$Revision: 480424 \$
* \$Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) \$

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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-

jar/org/apache/commons/httpclient/HeaderElement.java

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

```
/*
 * $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/HttpMethod.java,v 1.43 2004/10/07 16:14:15 olegk
Exp $
 * $Revision: 480424 $
 * $Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) $
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`/opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-jar/org/apache/commons/httpclient/HttpMethod.java`

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

```
/*
 * $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/AutoCloseInputStream.java,v 1.9 2004/04/18 23:51:34
jsdever Exp $
 * $Revision: 505890 $
 * $Date: 2007-02-11 12:25:25 +0100 (Sun, 11 Feb 2007) $
 *
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Found in path(s):

```
* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
jar/org/apache/commons/httpclient/AutoCloseInputStream.java
No license file was found, but licenses were detected in source scan.
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```
/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/protocol/DefaultProtocolSocketFactory.java,v 1.10
2004/05/13 04:01:22 mbecke Exp $
* $Revision: 480424 $
* $Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) $
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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
jar/org/apache/commons/httpclient/protocol/DefaultProtocolSocketFactory.java
No license file was found, but licenses were detected in source scan.

/*
* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/methods/OptionsMethod.java,v 1.15 2004/04/18
23:51:37 jsdever Exp \$
* \$Revision: 480424 \$
* \$Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) \$

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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-jar/org/apache/commons/httpclient/methods/OptionsMethod.java

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/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-commons/httpclient/src/java/org/apache/commons/httpclient/cookie/MalformedCookieException.java,v 1.8 2004/05/13 04:02:00 mbecke Exp \$

* \$Revision: 480424 \$

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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-jar/org/apache/commons/httpclient/cookie/MalformedCookieException.java

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/*
 * $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/auth/CredentialsNotAvailableException.java,v 1.4
2004/05/13 04:02:00 mbecke Exp $
 * $Revision: 480424 $
 * $Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) $
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 * /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
jar/org/apache/commons/httpclient/auth/CredentialsNotAvailableException.java
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/*
 * $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/auth/AuthChallengeProcessor.java,v 1.2 2004/04/18
23:51:36 jsdever Exp $
 * $Revision: 480424 $
 * $Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) $
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Found in path(s):

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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
jar/org/apache/commons/httpclient/auth/AuthChallengeProcessor.java
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/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/auth/AuthScheme.java,v 1.12 2004/05/13 04:02:00
mbecke Exp $
* $Revision: 480424 $
* $Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) $
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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-jar/org/apache/commons/httpclient/auth/AuthScheme.java

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/*

* \$HeadURL:

https://svn.apache.org/repos/asf/jakarta/httpcomponents/oac.hc3x/tags/HTTPCLIENT_3_1/src/java/org/apache/commons/httpclient/methods/FileRequestEntity.java \$

* \$Revision: 486665 \$

* \$Date: 2006-12-13 15:19:07 +0100 (Wed, 13 Dec 2006) \$

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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-jar/org/apache/commons/httpclient/methods/FileRequestEntity.java

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/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-commons/httpclient/src/java/org/apache/commons/httpclient/util/URIUtil.java,v 1.27 2004/05/05 20:34:01 olegk
Exp \$

* \$Revision: 507321 \$

* \$Date: 2007-02-14 01:10:51 +0100 (Wed, 14 Feb 2007) \$

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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-jar/org/apache/commons/httpclient/util/URIUtil.java

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/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-

commons/httpclient/src/java/org/apache/commons/httpclient/ChunkedInputStream.java,v 1.24 2004/10/10 15:18:55

olegk Exp \$

* \$Revision: 480424 \$

* \$Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) \$

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jar/org/apache/commons/httpclient/ChunkedInputStream.java

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/*

* \$HeadURL:

https://svn.apache.org/repos/asf/jakarta/httpcomponents/oac.hc3x/tags/HTTPCLIENT_3_1/src/java/org/apache/commons/httpclient/cookie/RFC2965Spec.java \$

* \$Revision: 507134 \$

* \$Date: 2007-02-13 19:18:05 +0100 (Tue, 13 Feb 2007) \$

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jar/org/apache/commons/httpclient/cookie/RFC2965Spec.java

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/*
*

\$HeadURL:https://svn.apache.org/repos/asf/jakarta/commons/proper/httpclient/trunk/src/java/org/apache/commons/
httpclient/cookie/CookieOrigin.java \$

* \$Revision:400312 \$
* \$Date:2006-05-06 14:49:41 +0200 (Sat, 06 May 2006) \$

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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
jar/org/apache/commons/httpclient/cookie/CookieOrigin.java

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

/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/util/TimeoutController.java,v 1.6 2004/04/18 23:51:38
jsdever Exp \$

* \$Revision: 480424 \$

* \$Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) \$

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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-jar/org/apache/commons/httpclient/util/TimeoutController.java

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/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-commons/httpclient/src/java/org/apache/commons/httpclient/protocol/SecureProtocolSocketFactory.java,v 1.6 2004/04/18 23:51:38 jsdever Exp \$

* \$Revision: 480424 \$

* \$Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) \$

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/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-commons/httpclient/src/java/org/apache/commons/httpclient/methods/multipart/ByteArrayPartSource.java,v 1.7 2004/04/18 23:51:37 jsdever Exp \$

* \$Revision: 480424 \$

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jar/org/apache/commons/httpclient/methods/multipart/ByteArrayPartSource.java
No license file was found, but licenses were detected in source scan.

```

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/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/params/HttpConnectionParams.java,v 1.6 2004/09/15
20:32:21 olegk Exp $
* $Revision: 480424 $
* $Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) $
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jar/org/apache/commons/httpclient/params/HttpConnectionParams.java
No license file was found, but licenses were detected in source scan.

/*
* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/Cookie.java,v 1.44 2004/06/05 16:49:20 olegk Exp \$
* \$Revision: 531354 \$
* \$Date: 2007-04-23 08:53:20 +0200 (Mon, 23 Apr 2007) \$
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/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-commons/httpclient/src/java/org/apache/commons/httpclient/util/ParameterParser.java,v 1.5 2004/05/13 04:01:22 mbecke Exp \$

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/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/util/DateParser.java,v 1.11 2004/11/06 19:15:42
mbecke Exp $
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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
jar/org/apache/commons/httpclient/util/DateParser.java

```

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/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/auth/AuthSchemeBase.java,v 1.7 2004/04/18 23:51:36
jsdever Exp $
* $Revision: 480424 $
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 jar/org/apache/commons/httpclient/auth/AuthSchemeBase.java

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/*
 * \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
 commons/httpclient/src/java/org/apache/commons/httpclient/auth/AuthState.java,v 1.3 2004/11/02 19:39:16 olegk
 Exp \$
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/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-commons/httpclient/src/java/org/apache/commons/httpclient/auth/AuthChallengeParser.java,v 1.10 2004/05/13 04:02:00 mbecke Exp \$

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/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-commons/httpclient/src/java/org/apache/commons/httpclient/params/HttpParams.java,v 1.6 2004/05/13 04:01:22 mbecke Exp \$

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/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-

commons/httpclient/src/java/org/apache/commons/httpclient/cookie/IgnoreCookiesSpec.java,v 1.6 2004/09/14

20:11:31 olegk Exp \$

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jar/org/apache/commons/httpclient/cookie/IgnoreCookiesSpec.java

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/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/methods/EntityEnclosingMethod.java,v 1.39
2004/07/03 14:27:03 olegk Exp \$

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* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/auth/AuthScope.java,v 1.2 2004/06/23 06:50:25 olegk
Exp \$

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jar/org/apache/commons/httpclient/auth/AuthScope.java

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* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/cookie/RFC2109Spec.java,v 1.21 2004/06/05
16:49:20 olegk Exp \$
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* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-commons/httpclient/src/java/org/apache/commons/httpclient/util/DateUtil.java,v 1.2 2004/12/24 20:36:13 olegk Exp \$

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```

Found in path(s):

```

* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
jar/org/apache/commons/httpclient/HeaderGroup.java

```

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

```

/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/HttpParser.java,v 1.13 2005/01/11 13:57:06 oglueck
Exp $

```

```

* $Revision: 533405 $
* $Date: 2007-04-28 20:19:29 +0200 (Sat, 28 Apr 2007) $
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Found in path(s):

* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-jar/org/apache/commons/httpclient/HttpParser.java

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

/*
 * \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-commons/httpclient/src/java/org/apache/commons/httpclient/auth/CredentialsProvider.java,v 1.6 2004/07/05 22:46:59 olegk Exp \$
 * \$Revision: 480424 \$
 * \$Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) \$
 *
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Found in path(s):

```
* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
jar/org/apache/commons/httpclient/auth/CredentialsProvider.java
No license file was found, but licenses were detected in source scan.
```

```
/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/RedirectException.java,v 1.2 2004/04/18 23:51:35
jsdever Exp $
* $Revision: 480424 $
* $Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) $
*
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Found in path(s):

* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-jar/org/apache/commons/httpclient/RedirectException.java

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

/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-commons/httpclient/src/java/org/apache/commons/httpclient/SimpleHttpConnectionManager.java,v 1.23 2004/10/16 22:40:08 mbecke Exp \$

* \$Revision: 480424 \$

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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-jar/org/apache/commons/httpclient/SimpleHttpConnectionManager.java

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

/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-commons/httpclient/src/java/org/apache/commons/httpclient/NoHttpResponseException.java,v 1.1 2004/07/05 22:46:58 olegk Exp \$

* \$Revision: 480424 \$

* \$Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) \$

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Found in path(s):

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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
jar/org/apache/commons/httpclient/NoHttpResponseException.java
No license file was found, but licenses were detected in source scan.

```

```

/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/WireLogInputStream.java,v 1.15 2004/06/24 21:39:52
mbecke Exp $
* $Revision: 480424 $
* $Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) $
*

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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
jar/org/apache/commons/httpclient/WireLogInputStream.java
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```

```

/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/params/HttpParamsFactory.java,v 1.5 2004/05/13
04:01:22 mbecke Exp $
* $Revision: 480424 $
* $Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) $
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jar/org/apache/commons/httpclient/params/HttpParamsFactory.java
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/*
* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/protocol/Protocol.java,v 1.10 2004/04/18 23:51:38
jsdever Exp \$

* \$Revision: 480424 \$
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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
jar/org/apache/commons/httpclient/protocol/Protocol.java

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```
/*
 * $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/auth/NTLM.java,v 1.11 2004/05/13 04:02:00 mbecke
Exp $
 * $Revision: 480424 $
 * $Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) $
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 */
/**
 * Provides an implementation of the NTLM authentication protocol.
 *
 * <p>
 * This class provides methods for generating authentication
 * challenge responses for the NTLM authentication protocol. The NTLM
 * protocol is a proprietary Microsoft protocol and as such no RFC
 * exists for it. This class is based upon the reverse engineering
 * efforts of a wide range of people.</p>
 *
 * <p>Please note that an implementation of JCE must be correctly installed
 * and configured when
 * using NTLM support.</p>
 *
 * <p>This class should not be used externally to HttpClient as it's API is specifically
```

```
* designed to work with HttpClient's use case, in particular it's connection management.</p>
*
* @author <a href="mailto:adrian@ephox.com">Adrian Sutton</a>
* @author <a href="mailto:jsdever@apache.org">Jeff Dever</a>
* @author <a href="mailto:mbowler@GargoyleSoftware.com">Mike Bowler</a>
*
* @version $Revision: 480424 $ $Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) $
* @since 3.0
*/
```

Found in path(s):

```
*/opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
jar/org/apache/commons/httpclient/auth/NTLM.java
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```
/*
* $Header: /cvsroot/httpc-cookie2/httpc-cookie2/httpcookie2SVN-patch.082805-2100.diff,v 1.1 2005/08/29
05:01:58 sjain700 Exp $
* $Revision:400312 $
* $Date:2006-05-06 14:49:41 +0200 (Sat, 06 May 2006) $
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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-jar/org/apache/commons/httpclient/cookie/Cookie2.java

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/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-commons/httpclient/src/java/org/apache/commons/httpclient/cookie/CookieSpec.java,v 1.11 2004/09/14 20:11:31 olegk Exp \$

* \$Revision: 480424 \$

* \$Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) \$

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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-jar/org/apache/commons/httpclient/cookie/CookieSpec.java

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/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-commons/httpclient/src/java/org/apache/commons/httpclient/auth/RFC2617Scheme.java,v 1.10 2004/05/13 04:02:00 mbecke Exp \$

* \$Revision: 480424 \$

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Found in path(s):

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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
jar/org/apache/commons/httpclient/auth/RFC2617Scheme.java

```

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/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/HttpURL.java,v 1.11 2004/09/30 17:26:41 oglueck
Exp $
* $Revision: 480424 $
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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
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/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/NameValuePair.java,v 1.17 2004/04/18 23:51:35
jsdever Exp $
* $Revision: 480424 $
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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
jar/org/apache/commons/httpclient/NameValuePair.java

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/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/methods/DeleteMethod.java,v 1.14 2004/04/18
23:51:37 jsdever Exp \$
* \$Revision: 480424 \$
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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
jar/org/apache/commons/httpclient/methods/DeleteMethod.java

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```
/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/ConnectionPoolTimeoutException.java,v 1.1
2004/07/05 22:46:58 olegk Exp $
* $Revision: 480424 $
* $Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) $
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Found in path(s):

```
* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
jar/org/apache/commons/httpclient/ConnectionPoolTimeoutException.java
```

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

```
/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/cookie/CookiePolicy.java,v 1.15 2004/09/14 20:11:31
olegk Exp $
* $Revision: 480424 $
* $Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) $
*
* =====
```

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 */

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 * /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
 jar/org/apache/commons/httpclient/cookie/CookiePolicy.java
 No license file was found, but licenses were detected in source scan.

/*
 * \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
 commons/httpclient/src/java/org/apache/commons/httpclient/URIException.java,v 1.12 2004/09/30 18:53:20 olegk
 Exp \$
 * \$Revision: 480424 \$
 * \$Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) \$
 *
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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
jar/org/apache/commons/httpclient/URIException.java

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

/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/protocol/ProtocolSocketFactory.java,v 1.10
2004/05/13 04:01:22 mbecke Exp \$

* \$Revision: 480424 \$
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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-jar/org/apache/commons/httpclient/protocol/ProtocolSocketFactory.java

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

/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-commons/httpclient/src/java/org/apache/commons/httpclient/methods/ExpectContinueMethod.java,v 1.13 2004/05/08 10:12:08 olegk Exp \$

* \$Revision: 480424 \$

* \$Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) \$

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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-jar/org/apache/commons/httpclient/methods/ExpectContinueMethod.java

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```

/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/util/URLConnection.java,v 1.15 2004/04/18
23:51:38 jsdever Exp $
* $Revision: 480424 $
* $Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) $
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Found in path(s):

```

* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
jar/org/apache/commons/httpclient/util/URLConnection.java

```

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

```

/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/ConnectMethod.java,v 1.29 2004/06/24 21:39:52
mbecke Exp $
* $Revision: 483949 $
* $Date: 2006-12-08 12:34:50 +0100 (Fri, 08 Dec 2006) $
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Found in path(s):

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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
jar/org/apache/commons/httpclient/ConnectMethod.java

```

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```

/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/methods/multipart/PartBase.java,v 1.5 2004/04/18
23:51:37 jsdever Exp $
* $Revision: 480424 $
* $Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) $
*

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jar/org/apache/commons/httpclient/methods/multipart/PartBase.java
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/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/params/DefaultHttpParamsFactory.java,v 1.16
2004/11/20 21:48:47 mbecke Exp \$

* \$Revision: 566065 \$
* \$Date: 2007-08-15 10:34:30 +0200 (Wed, 15 Aug 2007) \$

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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-jar/org/apache/commons/httpclient/params/DefaultHttpParamsFactory.java

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/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-commons/httpclient/src/java/org/apache/commons/httpclient/methods/multipart/FilePart.java,v 1.19 2004/04/18 23:51:37 jsdever Exp \$
* \$Revision: 480424 \$
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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-jar/org/apache/commons/httpclient/methods/multipart/FilePart.java

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/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-commons/httpclient/src/java/org/apache/commons/httpclient/auth/InvalidCredentialsException.java,v 1.4

2004/05/13 04:02:00 mbecke Exp \$

* \$Revision: 480424 \$

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/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/ProxyClient.java,v 1.5 2004/12/20 11:39:04 olegk Exp

\$

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jar/org/apache/commons/httpclient/ProxyClient.java
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/*
*
\$HeadURL:https://svn.apache.org/repos/asf/jakarta/commons/proper/httpclient/trunk/src/java/org/apache/commons/
httpclient/cookie/CookieAttributeHandler.java \$
* \$Revision:400312 \$
* \$Date:2006-05-06 14:49:41 +0200 (Sat, 06 May 2006) \$
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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
jar/org/apache/commons/httpclient/cookie/CookieAttributeHandler.java
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```
/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/HttpState.java,v 1.38 2004/12/20 11:50:54 olegk Exp
$
* $Revision: 561099 $
* $Date: 2007-07-30 21:41:17 +0200 (Mon, 30 Jul 2007) $
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/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-commons/httpclient/src/java/org/apache/commons/httpclient/methods/multipart/StringPart.java,v 1.11 2004/04/18 23:51:37 jsdever Exp \$

* \$Revision: 480424 \$

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/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-commons/httpclient/src/java/org/apache/commons/httpclient/methods/multipart/PartSource.java,v 1.6 2004/04/18 23:51:37 jsdever Exp \$

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/*
* $HeadURL:
https://svn.apache.org/repos/asf/jakarta/httpcomponents/oac.hc3x/tags/HTTPCLIENT_3_1/src/java/org/apache/com
mons/httpclient/util/LangUtils.java $
* $Revision: 480424 $
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/*
* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/auth/AuthChallengeException.java,v 1.2 2004/04/18
23:51:36 jsdever Exp \$
* \$Revision: 480424 \$
* \$Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) \$
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jar/org/apache/commons/httpclient/auth/AuthChallengeException.java

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```
/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/util/ExceptionUtil.java,v 1.5 2004/10/19 18:09:46
olegk Exp $
* $Revision: 480424 $
* $Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) $
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Found in path(s):

```
* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
jar/org/apache/commons/httpclient/util/ExceptionUtil.java
```

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

```
/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/HttpStatus.java,v 1.18 2004/05/02 11:21:13 olegk Exp
$
* $Revision: 480424 $
* $Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) $
*
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 * /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
 jar/org/apache/commons/httpclient/HttpStatus.java
 No license file was found, but licenses were detected in source scan.

/*
 * \$HeadURL:
https://svn.apache.org/repos/asf/jakarta/httpcomponents/oac.hc3x/tags/HTTPCLIENT_3_1/src/java/org/apache/commons/httpclient/URI.java \$
 * \$Revision: 564973 \$
 * \$Date: 2007-08-11 22:51:47 +0200 (Sat, 11 Aug 2007) \$

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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
jar/org/apache/commons/httpclient/URI.java

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/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/CircularRedirectException.java,v 1.1 2005/01/14
19:40:39 olegk Exp \$

* \$Revision: 480424 \$

* \$Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) \$

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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-jar/org/apache/commons/httpclient/CircularRedirectException.java

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/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-commons/httpclient/src/java/org/apache/commons/httpclient/methods/HeadMethod.java,v 1.29 2004/06/13 20:22:19 olegk Exp \$

* \$Revision: 480424 \$

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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-jar/org/apache/commons/httpclient/methods/HeadMethod.java

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

/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/util/DateParseException.java,v 1.5 2004/11/06
19:15:42 mbecke Exp \$
* \$Revision: 480424 \$
* \$Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) \$

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jar/org/apache/commons/httpclient/util/DateParseException.java

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/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/methods/PutMethod.java,v 1.26 2004/04/18 23:51:37
jsdever Exp \$

* \$Revision: 480424 \$

* \$Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) \$

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Found in path(s):

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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
jar/org/apache/commons/httpclient/methods/PutMethod.java

```

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```

/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/HttpConstants.java,v 1.15 2004/04/18 23:51:35
jsdever Exp $
* $Revision: 480424 $
* $Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) $
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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
jar/org/apache/commons/httpclient/HttpConstants.java

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/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/cookie/CookieSpecBase.java,v 1.28 2004/11/06
19:15:42 mbecke Exp \$

* \$Revision: 480424 \$

* \$Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) \$

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* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-commons/httpclient/src/java/org/apache/commons/httpclient/HttpConnection.java,v 1.107 2005/01/14 21:30:59 olegk Exp \$

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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-jar/org/apache/commons/httpclient/HttpConnection.java

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/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-

commons/httpclient/src/java/org/apache/commons/httpclient/ProxyHost.java,v 1.2 2005/01/14 21:16:40 olegk Exp

\$

* \$Revision: 510587 \$

* \$Date: 2007-02-22 17:56:08 +0100 (Thu, 22 Feb 2007) \$

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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
jar/org/apache/commons/httpclient/ProxyHost.java

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/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/params/HttpConnectionManagerParams.java,v 1.9
2004/09/13 16:25:20 olegk Exp \$

* \$Revision: 480424 \$

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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
jar/org/apache/commons/httpclient/params/HttpConnectionManagerParams.java
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/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/params/HttpMethodParams.java,v 1.17 2004/10/06
17:32:04 olegk Exp $
* $Revision: 483949 $
* $Date: 2006-12-08 12:34:50 +0100 (Fri, 08 Dec 2006) $
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* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/HttpRecoverableException.java,v 1.15 2004/07/05
22:46:58 olegk Exp \$

* \$Revision: 480424 \$

* \$Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) \$

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/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-commons/httpclient/src/java/org/apache/commons/httpclient/HttpConnectionManager.java,v 1.24 2004/07/05 22:46:58 olegk Exp \$

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* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-commons/httpclient/src/java/org/apache/commons/httpclient/protocol/ControllerThreadSocketFactory.java,v 1.2 2004/04/18 23:51:38 jsdever Exp \$

* \$Revision: 480424 \$

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jar/org/apache/commons/httpclient/protocol/ControllerThreadSocketFactory.java

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/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/auth/AuthPolicy.java,v 1.6 2004/05/13 04:02:00
mbecke Exp \$

* \$Revision: 480424 \$

* \$Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) \$

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*/
/**
* Authentication policy class. The Authentication policy provides corresponding
* authentication scheme interfrace for a given type of authorization challenge.
* <p>The following specifications are provided:
* <ul>
* <li><tt>Basic</tt>: Basic authentication scheme as defined in RFC2617
* (considered inherently insecure, but most widely supported)
* <li><tt>Digest</tt>: Digest authentication scheme as defined in RFC2617
* <li><tt>NTLM</tt>:
The NTLM scheme is a proprietary Microsoft Windows
* Authentication protocol (considered to be the most secure among
* currently supported authentication schemes)
* </ul>
*
* @author <a href="mailto:oleg@ural.ru">Oleg Kalnichevski</a>
*
* @version $Revision: 480424 $
* @since 3.0
*/
/**
* The NTLM scheme is a proprietary Microsoft Windows Authentication
* protocol (considered to be the most secure among currently supported
* authentication schemes).
*/

Found in path(s):
* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
jar/org/apache/commons/httpclient/auth/AuthPolicy.java
No license file was found, but licenses were detected in source scan.

/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-

```

commons/httpclient/src/java/org/apache/commons/httpclient/cookie/NetscapeDraftSpec.java,v 1.11 2004/05/13

04:02:00 mbecke Exp \$

* \$Revision: 480424 \$

* \$Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) \$

*

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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
jar/org/apache/commons/httpclient/cookie/NetscapeDraftSpec.java

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

/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/Credentials.java,v 1.9 2004/04/18 23:51:34 jsdever
Exp \$

* \$Revision: 480424 \$

* \$Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) \$

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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
 jar/org/apache/commons/httpclient/Credentials.java

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/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
 commons/httpclient/src/java/org/apache/commons/httpclient/params/HostParams.java,v 1.5 2004/10/06 17:32:04
 olegk Exp \$

* \$Revision: 480424 \$

* \$Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) \$

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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
jar/org/apache/commons/httpclient/params/HostParams.java
No license file was found, but licenses were detected in source scan.

/*
* \$Header\$
* \$Revision:400312 \$
* \$Date:2006-05-06 14:49:41 +0200 (Sat, 06 May 2006) \$
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Found in path(s):

* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-jar/org/apache/commons/httpclient/cookie/CookiePathComparator.java
No license file was found, but licenses were detected in source scan.

/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-commons/httpclient/src/java/org/apache/commons/httpclient/HttpURL.java,v 1.18 2004/09/30 17:26:41 oglueck Exp \$

* \$Revision: 507324 \$

* \$Date: 2007-02-14 01:12:11 +0100 (Wed, 14 Feb 2007) \$

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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-jar/org/apache/commons/httpclient/HttpURL.java

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

/*

* \$HeadURL:

https://svn.apache.org/repos/asf/jakarta/httpcomponents/oac.hc3x/tags/HTTPCLIENT_3_1/src/java/org/apache/commons/httpclient/methods/StringRequestEntity.java \$

* \$Revision: 480424 \$

* \$Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) \$

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Found in path(s):

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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
jar/org/apache/commons/httpclient/methods/StringRequestEntity.java

```

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

```

/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/methods/multipart/FilePartSource.java,v 1.10
2004/04/18 23:51:37 jsdever Exp $
* $Revision: 480424 $
* $Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) $
*

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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
jar/org/apache/commons/httpclient/methods/multipart/FilePartSource.java
No license file was found, but licenses were detected in source scan.

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/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/NTCredentials.java,v 1.10 2004/04/18 23:51:35
jsdever Exp $
* $Revision: 480424 $
* $Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) $
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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
jar/org/apache/commons/httpclient/NTCredentials.java

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/*
* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/params/DefaultHttpParams.java,v 1.9 2004/12/21
23:15:21 olegk Exp \$
* \$Revision: 510589 \$
* \$Date: 2007-02-22 18:04:52 +0100 (Thu, 22 Feb 2007) \$
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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-

jar/org/apache/commons/httpclient/params/DefaultHttpParams.java
No license file was found, but licenses were detected in source scan.

```
/*
 * $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/ResponseConsumedWatcher.java,v 1.5 2004/04/18
23:51:35 jsdever Exp $
 * $Revision: 480424 $
 * $Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) $
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`/opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-jar/org/apache/commons/httpclient/ResponseConsumedWatcher.java`
No license file was found, but licenses were detected in source scan.

```
/*
 * $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/HttpHost.java,v 1.3 2005/01/14 21:16:40 olegk Exp $
 * $Revision: 510587 $
 * $Date: 2007-02-22 17:56:08 +0100 (Thu, 22 Feb 2007) $
 *
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jar/org/apache/commons/httpclient/HttpHost.java

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/*
* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/Wire.java,v 1.9 2004/06/24 21:39:52 mbecke Exp \$
* \$Revision: 480424 \$
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jar/org/apache/commons/httpclient/Wire.java
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/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/ContentLengthInputStream.java,v 1.12 2004/10/04
22:05:44 olegk Exp $
* $Revision: 480424 $
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/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-commons/httpclient/src/java/org/apache/commons/httpclient/DefaultMethodRetryHandler.java,v 1.4 2004/07/05 22:46:58 olegk Exp \$

* \$Revision: 480424 \$

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* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/methods/RequestEntity.java,v 1.4 2004/05/17
21:46:03 olegk Exp \$
* \$Revision: 480424 \$
* \$Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) \$

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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
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/*

* \$HeadURL:

https://svn.apache.org/repos/asf/jakarta/httpcomponents/oac.hc3x/tags/HTTPCLIENT_3_1/src/java/org/apache/commons/httpclient/util/ParameterFormatter.java \$

* \$Revision: 480424 \$
* \$Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) \$

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```

/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/HttpClientError.java,v 1.4 2004/05/13 04:03:25
mbecke Exp $
* $Revision: 480424 $
* $Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) $
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* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-commons/httpclient/src/java/org/apache/commons/httpclient/methods/multipart/MultipartRequestEntity.java,v 1.1 2004/10/06 03:39:59 mbecke Exp \$

* \$Revision: 502647 \$

* \$Date: 2007-02-02 17:22:54 +0100 (Fri, 02 Feb 2007) \$

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Found in path(s):

* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-jar/org/apache/commons/httpclient/methods/multipart/MultipartRequestEntity.java

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

/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-commons/httpclient/src/java/org/apache/commons/httpclient/util/EncodingUtil.java,v 1.8 2004/05/13 04:01:22 mbecke Exp \$

* \$Revision: 480424 \$

* \$Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) \$

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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-jar/org/apache/commons/httpclient/util/EncodingUtil.java

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/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-commons/httpclient/src/java/org/apache/commons/httpclient/protocol/ReflectionSocketFactory.java,v 1.4

2004/12/21 23:15:21 olegk Exp \$

* \$Revision: 480424 \$

* \$Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) \$

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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
jar/org/apache/commons/httpclient/protocol/ReflectionSocketFactory.java

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

/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/util/IdleConnectionHandler.java,v 1.2 2004/05/13
02:40:36 mbecke Exp \$

* \$Revision: 480424 \$

* \$Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) \$

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Found in path(s):

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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
jar/org/apache/commons/httpclient/util/IdleConnectionHandler.java
No license file was found, but licenses were detected in source scan.

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```

/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/MethodRetryHandler.java,v 1.5 2004/07/05 22:46:58
olegk Exp $
* $Revision: 480424 $
* $Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) $
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jar/org/apache/commons/httpclient/MethodRetryHandler.java

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

/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/auth/AuthenticationException.java,v 1.6 2004/05/13
04:02:00 mbecke Exp \$

* \$Revision: 480424 \$

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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-jar/org/apache/commons/httpclient/auth/AuthenticationException.java

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/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-commons/httpclient/src/java/org/apache/commons/httpclient/params/HttpClientParams.java,v 1.7 2004/05/13 04:01:22 mbecke Exp \$

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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-jar/org/apache/commons/httpclient/params/HttpClientParams.java

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/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-commons/httpclient/src/java/org/apache/commons/httpclient/methods/multipart/Part.java,v 1.16 2005/01/14 21:16:40 olegk Exp \$

* \$Revision: 480424 \$


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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
jar/org/apache/commons/httpclient/methods/multipart/Part.java
No license file was found, but licenses were detected in source scan.

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/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/methods/ByteArrayRequestEntity.java,v 1.3
2004/05/13 02:26:08 mbecke Exp $
* $Revision: 480424 $
* $Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) $
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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
jar/org/apache/commons/httpclient/methods/ByteArrayRequestEntity.java
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/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/methods/InputStreamRequestEntity.java,v 1.4
2004/05/17 21:46:03 olegk Exp $
* $Revision: 480424 $
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/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/auth/NTLMScheme.java,v 1.21 2004/05/13 04:02:00
mbecke Exp \$

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*/
/** An implementation of the Microsoft proprietary NTLM authentication scheme. For a detailed
* explanation of the NTLM scheme please see <a href="http://davenport.sourceforge.net/ntlm.html">
* http://davenport.sourceforge.net/ntlm.html</a>.
*
* @author <a href="mailto:remm@apache.org">Remy Maucherat</a>
* @author Rodney Waldhoff
* @author <a href="mailto:jsdever@apache.org">Jeff Dever</a>
* @author Ortwin Gl??ck
* @author Sean C. Sullivan
* @author <a href="mailto:adrian@ephox.com">Adrian Sutton</a>
* @author <a href="mailto:mbowler@GargoyleSoftware.com">Mike Bowler</a>
* @author <a href="mailto:oleg@ural.ru">Oleg Kalnichevski</a>
*/

```

Found in path(s):

```

* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
jar/org/apache/commons/httpclient/auth/NTLMScheme.java

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/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/auth/HttpAuthRealm.java,v 1.9 2004/06/12 22:47:23
olegk Exp $
* $Revision: 480424 $
* $Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) $

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/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-commons/httpclient/src/java/org/apache/commons/httpclient/methods/MultipartPostMethod.java,v 1.27 2004/10/06 03:39:59 mbecke Exp \$

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/*
 * $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/ProtocolException.java,v 1.4 2004/05/13 04:03:25
mbecke Exp $
 * $Revision: 480424 $
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 * /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
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 * $Revision: 480424 $
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 jar/org/apache/commons/httpclient/methods/TraceMethod.java
 * /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
 jar/org/apache/commons/httpclient/cookie/CookieVersionSupport.java

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/*
 * \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
 commons/httpclient/src/java/org/apache/commons/httpclient/HttpVersion.java,v 1.6 2004/12/20 19:52:50 olegk
 Exp \$

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/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-commons/httpclient/src/java/org/apache/commons/httpclient/DefaultHttpMethodRetryHandler.java,v 1.3 2004/12/20 11:47:46 olegk Exp \$

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Found in path(s):

* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-jar/org/apache/commons/httpclient/DefaultHttpMethodRetryHandler.java

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/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-commons/httpclient/src/java/org/apache/commons/httpclient/UsernamePasswordCredentials.java,v 1.14 2004/04/18 23:51:35 jsdever Exp \$

* \$Revision: 480424 \$

* \$Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) \$

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/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-

commons/httpclient/src/java/org/apache/commons/httpclient/HttpClient.java,v 1.98 2004/10/07 16:14:15 olegk Exp

\$

* \$Revision: 509577 \$

* \$Date: 2007-02-20 15:28:18 +0100 (Tue, 20 Feb 2007) \$

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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
jar/org/apache/commons/httpclient/HttpClient.java

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/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/HostConfiguration.java,v 1.23 2005/01/14 21:16:40
olegk Exp \$

* \$Revision: 510585 \$

* \$Date: 2007-02-22 17:52:16 +0100 (Thu, 22 Feb 2007) \$

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* /opt/cola/permits/146717996_1695304081.4632068/0/commons-httpclient-3-1-sources-
jar/org/apache/commons/httpclient/HostConfiguration.java

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/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/HttpMethodDirector.java,v 1.34 2005/01/14 19:40:39
olegk Exp $
* $Revision: 486658 $
* $Date: 2006-12-13 15:05:50 +0100 (Wed, 13 Dec 2006) $
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jar/org/apache/commons/httpclient/HttpMethodDirector.java

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/*

* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/auth/BasicScheme.java,v 1.17 2004/05/13 04:02:00
mbecke Exp \$

* \$Revision: 480424 \$

* \$Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) \$

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* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-commons/httpclient/src/java/org/apache/commons/httpclient/methods/PostMethod.java,v 1.58 2004/08/08 12:50:09 olegk Exp \$

* \$Revision: 480424 \$

* \$Date: 2006-11-29 06:56:49 +0100 (Wed, 29 Nov 2006) \$

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1.6 ini4j 0.5.4

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* /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/spi/package.html

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* /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/Config.java
* /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/CommonMultiMap.java
* /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/Registry.java
* /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/BasicRegistryKey.java

*

/opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/spi/OptionsParser.java
 * /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/Reg.java
 * /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/spi/IniSource.java
 * /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/spi/AbstractProfileBuilder.java
 * /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/spi/AbstractParser.java
 * /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/Persistable.java
 * /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/spi/IniHandler.java
 * /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/BasicProfile.java
 * /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/CommentedMap.java
 *
 /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/spi/IniFormatter.java
 * /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/spi/BeanTool.java
 * /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/BasicOptionMap.java
 * /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/BasicRegistry.java
 * /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/MultiMap.java
 * /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/spi/UnicodeInputStreamReader.java
 * /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/spi/AbstractFormatter.java
 * /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/spi/OptionsBuilder.java
 * /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/spi/OptionsFormatter.java
 *
 /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/Profile.java
 * /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/IniPreferencesFactory.java
 * /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/spi/ServiceFinder.java
 * /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/InvalidFileFormatException.java
 * /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/spi/BeanAccess.java
 * /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/spi/IniParser.java
 * /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/spi/OptionsHandler.java
 * /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/IniPreferences.java
 * /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/BasicMultiMap.java
 * /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/Wini.java
 *
 /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/BasicProfileSection.java
 * /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/spi/AbstractBeanInvocationHandler.java
 * /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/spi/HandlerBase.java
 * /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/spi/TypeValuesPair.java
 * /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/spi/Warnings.java
 * /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/spi/RegEscapeTool.java
 * /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/OptionMap.java
 * /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/spi/RegBuilder.java
 * /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/spi/EscapeTool.java
 *
 /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/spi/WinEscapeTool.java
 * /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/ConfigParser.java
 * /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/spi/IniBuilder.java

* /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/Configurable.java
* /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/Ini.java
* /opt/cola/permits/152180682_1695306395.0221496/0/ini4j-0-5-4-sources-jar/org/ini4j/Options.java

1.7 json-simple 1.1.1

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1.8 hdrhistogram 2.1.9

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* /opt/cola/permits/174180979_1651176763.07/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/WriterReaderPhaser.java

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*

* @author Gil Tene

*/

Found in path(s):

* /opt/cola/permits/174180979_1651176763.07/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/AtomicHistogram.java

* /opt/cola/permits/174180979_1651176763.07/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/RecordedValuesIterator.java

* /opt/cola/permits/174180979_1651176763.07/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/DoubleRecorder.java

* /opt/cola/permits/174180979_1651176763.07/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/ShortCountsHistogram.java

* /opt/cola/permits/174180979_1651176763.07/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/EncodableHistogram.java

* /opt/cola/permits/174180979_1651176763.07/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/ZigZagEncoding.java

* /opt/cola/permits/174180979_1651176763.07/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/HistogramLogReader.java

*

/opt/cola/permits/174180979_1651176763.07/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/DoublePercentileIterator.java

* /opt/cola/permits/174180979_1651176763.07/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/DoubleHistogramIterationValue.java

* /opt/cola/permits/174180979_1651176763.07/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/DoubleHistogram.java

* /opt/cola/permits/174180979_1651176763.07/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/HistogramIterationValue.java

* /opt/cola/permits/174180979_1651176763.07/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/AllValuesIterator.java

* /opt/cola/permits/174180979_1651176763.07/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/DoubleLinearIterator.java

* /opt/cola/permits/174180979_1651176763.07/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/Histogram.java

* /opt/cola/permits/174180979_1651176763.07/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/AbstractHistogram.java

*

/opt/cola/permits/174180979_1651176763.07/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/ConcurrentHistogram.java

* /opt/cola/permits/174180979_1651176763.07/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/Version.java

* /opt/cola/permits/174180979_1651176763.07/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/Recorder.java

* /opt/cola/permits/174180979_1651176763.07/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/DoubleRecordedValuesIterator.java

* /opt/cola/permits/174180979_1651176763.07/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/LogarithmicIterator.java

* /opt/cola/permits/174180979_1651176763.07/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/HistogramLogProcessor.java

* /opt/cola/permits/174180979_1651176763.07/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/SingleWriterDoubleRecorder.java

* /opt/cola/permits/174180979_1651176763.07/0/hdrhistogram-2-1-9-sources-

```
jar/org/HdrHistogram/AbstractHistogramIterator.java
* /opt/cola/permits/174180979_1651176763.07/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/DoubleAllValuesIterator.java
*
/opt/cola/permits/174180979_1651176763.07/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/IntCountsHistogram.java
* /opt/cola/permits/174180979_1651176763.07/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/SynchronizedDoubleHistogram.java
* /opt/cola/permits/174180979_1651176763.07/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/PercentileIterator.java
* /opt/cola/permits/174180979_1651176763.07/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/SingleWriterRecorder.java
* /opt/cola/permits/174180979_1651176763.07/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/ConcurrentDoubleHistogram.java
* /opt/cola/permits/174180979_1651176763.07/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/SynchronizedHistogram.java
* /opt/cola/permits/174180979_1651176763.07/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/DoubleLogarithmicIterator.java
* /opt/cola/permits/174180979_1651176763.07/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/AbstractHistogramLogReader.java
*
/opt/cola/permits/174180979_1651176763.07/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/LinearIterator.java
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```

```
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*/
```

Found in path(s):

```
* /opt/cola/permits/174180979_1651176763.07/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/package-
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```

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* @author Gil Tene
*/
```

```
package org.HdrHistogram;
```

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

```
}
```

Found in path(s):

```
* /opt/cola/permits/174180979_1651176763.07/0/hdrhistogram-2-1-9-sources-  
jar/org/HdrHistogram/Version.java.template
```

1.9 googleapis-common-protos 0.0.3

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```

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```
* /opt/cola/permits/176516950_1695327641.0898888/0/googleapis-common-protos-0-0-3-sources-  
jar/google/rpc/status.proto  
* /opt/cola/permits/176516950_1695327641.0898888/0/googleapis-common-protos-0-0-3-sources-  
jar/google/logging/type/log_severity.proto  
* /opt/cola/permits/176516950_1695327641.0898888/0/googleapis-common-protos-0-0-3-sources-  
jar/google/api/consumer.proto  
* /opt/cola/permits/176516950_1695327641.0898888/0/googleapis-common-protos-0-0-3-sources-  
jar/google/api/log.proto  
* /opt/cola/permits/176516950_1695327641.0898888/0/googleapis-common-protos-0-0-3-sources-  
jar/google/type/latlng.proto  
* /opt/cola/permits/176516950_1695327641.0898888/0/googleapis-common-protos-0-0-3-sources-  
jar/google/api/annotations.proto  
*  
/opt/cola/permits/176516950_1695327641.0898888/0/googleapis-common-protos-0-0-3-sources-  
jar/google/api/http.proto  
* /opt/cola/permits/176516950_1695327641.0898888/0/googleapis-common-protos-0-0-3-sources-  
jar/google/rpc/code.proto  
* /opt/cola/permits/176516950_1695327641.0898888/0/googleapis-common-protos-0-0-3-sources-  
jar/google/api/label.proto  
* /opt/cola/permits/176516950_1695327641.0898888/0/googleapis-common-protos-0-0-3-sources-  
jar/google/api/backend.proto  
* /opt/cola/permits/176516950_1695327641.0898888/0/googleapis-common-protos-0-0-3-sources-  
jar/google/api/service.proto  
* /opt/cola/permits/176516950_1695327641.0898888/0/googleapis-common-protos-0-0-3-sources-  
jar/google/type/date.proto  
* /opt/cola/permits/176516950_1695327641.0898888/0/googleapis-common-protos-0-0-3-sources-  
jar/google/type/timeofday.proto  
* /opt/cola/permits/176516950_1695327641.0898888/0/googleapis-common-protos-0-0-3-sources-  
jar/google/api/context.proto
```

```

*
/opt/cola/permits/176516950_1695327641.08988888/0/googleapis-common-protos-0-0-3-sources-
jar/google/api/metric.proto
* /opt/cola/permits/176516950_1695327641.08988888/0/googleapis-common-protos-0-0-3-sources-
jar/google/api/distribution.proto
* /opt/cola/permits/176516950_1695327641.08988888/0/googleapis-common-protos-0-0-3-sources-
jar/google/type/money.proto
* /opt/cola/permits/176516950_1695327641.08988888/0/googleapis-common-protos-0-0-3-sources-
jar/google/type/dayofweek.proto
* /opt/cola/permits/176516950_1695327641.08988888/0/googleapis-common-protos-0-0-3-sources-
jar/google/api/system_parameter.proto
* /opt/cola/permits/176516950_1695327641.08988888/0/googleapis-common-protos-0-0-3-sources-
jar/google/api/logging.proto
* /opt/cola/permits/176516950_1695327641.08988888/0/googleapis-common-protos-0-0-3-sources-
jar/google/type/color.proto
* /opt/cola/permits/176516950_1695327641.08988888/0/googleapis-common-protos-0-0-3-sources-
jar/google/logging/type/http_request.proto
*
/opt/cola/permits/176516950_1695327641.08988888/0/googleapis-common-protos-0-0-3-sources-
jar/google/api/usage.proto
* /opt/cola/permits/176516950_1695327641.08988888/0/googleapis-common-protos-0-0-3-sources-
jar/google/api/auth.proto
* /opt/cola/permits/176516950_1695327641.08988888/0/googleapis-common-protos-0-0-3-sources-
jar/google/longrunning/operations.proto
* /opt/cola/permits/176516950_1695327641.08988888/0/googleapis-common-protos-0-0-3-sources-
jar/google/api/documentation.proto
* /opt/cola/permits/176516950_1695327641.08988888/0/googleapis-common-protos-0-0-3-sources-
jar/google/api/monitored_resource.proto
* /opt/cola/permits/176516950_1695327641.08988888/0/googleapis-common-protos-0-0-3-sources-
jar/google/rpc/error_details.proto
* /opt/cola/permits/176516950_1695327641.08988888/0/googleapis-common-protos-0-0-3-sources-
jar/google/api/monitoring.proto
* /opt/cola/permits/176516950_1695327641.08988888/0/googleapis-common-protos-0-0-3-sources-
jar/google/api/control.proto
*
/opt/cola/permits/176516950_1695327641.08988888/0/googleapis-common-protos-0-0-3-sources-
jar/google/api/billing.proto

```

1.10 listenablefuture 9999.0-empty-to-avoid-conflict-with-guava

1.11 failureaccess 1.0.1

1.12 slf4j-nop 1.7.21

1.13 j2objc-annotations 1.3

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1.14 commons-beanutils 1.9.4

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1.15 jakarta xml bind api 2.3.2

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1.16 apr 1.6.5

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/*

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From network_io/unix/inet_ntop.c, network_io/unix/inet_pton.c:

```
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```

From dso/aix/dso.c:

- * Based on libdl (dlfcn.c/dlfcn.h) which is
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From strings/apr_strnatcmp.c,
include/apr_strings.h:

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

- *
- * cvt - IEEE floating point formatting routines.
- * Derived from UNIX V7, Copyright(C) Caldera International Inc.
- *

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1.17 golang-protobuf-extensions 1.0.1

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1.18 protobuf-java 3.9.1

1.19 apr 1.7.0

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1.25 commons-lang3 3.4

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1.26 tre 0.8.0

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1.27 jctools-core 3.1.0

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```
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/maven-v4_0_0.xsd">
  <modelVersion>4.0.0</modelVersion>
```

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  <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>
```

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  <dependencies>
    <dependency>
      <groupId>org.hamcrest</groupId>
      <artifactId>hamcrest-all</artifactId>
      <version>${hamcrest.version}</version>
      <scope>test</scope>
    </dependency>
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```
    <dependency>
      <groupId>junit</groupId>
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    <dependency>
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      <artifactId>guava-testlib</artifactId>
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        <artifactId>maven-surefire-plugin</artifactId>
        <version>3.0.0-M3</version>
        <configuration>
```

```

<includes>
  <include>*/</include>
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</configuration>
</plugin>
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  <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>
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  <artifactId>maven-source-plugin</artifactId>
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      <id>attach-sources</id>
      <phase>verify</phase>
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      </goals>
    </execution>
  </executions>
</plugin>
<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-javadoc-plugin</artifactId>
  <version>3.1.1</version>
  <configuration>
    <additionalOptions>
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    <source>8</source>
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```

```

</plugin>
</plugins>
</build>

<distributionManagement>
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    <name>jctools-jctools</name>
    <url>https://api.bintray.com/maven/jctools/jctools/jctools-core/;publish=1</url>
  </repository>
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<url>https://github.com/JCTools</url>
<inceptionYear>2013</inceptionYear>

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License, Version 2.0</name>
    <url>http://www.apache.org/licenses/LICENSE-2.0.txt</url>
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  </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):

* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-jar/META-INF/maven/org.jctools/jctools-core/pom.xml

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*/

```

Found in path(s):

```

* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-jar/org/jctools/queues/spec/Ordering.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-jar/org/jctools/queues/atomic/SpncUnboundedAtomicArrayQueue.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-jar/org/jctools/queues/atomic/SpncAtomicArrayQueue.java
*

```


/opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
 jar/org/jctools/queues/MessagePassingQueueUtil.java
 * /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
 jar/org/jctools/queues/atomic/MpmcAtomicArrayQueue.java
 * /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
 jar/org/jctools/util/UnsafeJvmInfo.java
 * /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
 jar/org/jctools/queues/atomic/LinkedQueueAtomicNode.java
 * /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
 jar/org/jctools/queues/SpSCLinkedQueue.java
 * /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
 jar/org/jctools/queues/MpscUnboundedXaddArrayQueue.java
 * /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
 jar/org/jctools/queues/spec/Preference.java
 * /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
 jar/org/jctools/queues/atomic/MpscAtomicArrayQueue.java
 *
 /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
 jar/org/jctools/queues/MessagePassingQueue.java
 * /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
 jar/org/jctools/queues/SupportsIterator.java
 * /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
 jar/org/jctools/queues/MpmcUnboundedXaddArrayQueue.java
 * /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
 jar/org/jctools/queues/MpscGrowableArrayQueue.java
 * /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
 jar/org/jctools/queues/atomic/BaseSpSCLinkedAtomicArrayQueue.java
 * /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
 jar/org/jctools/queues/atomic/AtomicQueueFactory.java
 * /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
 jar/org/jctools/queues/MpmcArrayQueue.java
 *
 /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
 jar/org/jctools/queues/atomic/SpSCAtomicArrayQueue.java
 * /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
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 jar/org/jctools/queues/SpmcArrayQueue.java
 * /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
 jar/org/jctools/maps/AbstractEntry.java
 * /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
 jar/org/jctools/queues/MpmcUnboundedXaddChunk.java
 * /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
 jar/org/jctools/queues/MpscChunkedArrayQueue.java
 * /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
 jar/org/jctools/maps/NonBlockingHashMapLong.java
 * /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
 jar/org/jctools/queues/atomic/MpscChunkedAtomicArrayQueue.java

```

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* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/util/UnsafeLongArrayAccess.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/queues/MpscBlockingConsumerArrayQueue.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/queues/atomic/BaseMpscLinkedAtomicArrayQueue.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/maps/NonBlockingHashMap.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/queues/BaseMpscLinkedArrayQueue.java
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jar/org/jctools/util/InternalAPI.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/maps/NonBlockingHashSet.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/util/Pow2.java
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jar/org/jctools/queues/spec/ConcurrentQueueSpec.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/queues/atomic/SpSCChunkedAtomicArrayQueue.java
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jar/org/jctools/maps/ConcurrentAutoTable.java
*
/opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/queues/MpscUnboundedXaddChunk.java
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jar/org/jctools/queues/LinkedQueueNode.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/queues/SpSCUnboundedArrayQueue.java
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jar/org/jctools/util/PortableJvmInfo.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/queues/ConcurrentCircularArrayQueue.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/maps/NonBlockingSetInt.java
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/opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-jar/org/jctools/queues/atomic/BaseLinkedAtomicQueue.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-jar/org/jctools/queues/atomic/SequencedAtomicReferenceArrayQueue.java
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* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-jar/org/jctools/queues/atomic/MpscLinkedAtomicQueue.java
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* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-jar/org/jctools/queues/BaseSpSCLinkedArrayQueue.java

1.28 httpcomponents-client 4.5.13

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1.30 queue 1.1.0

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1.31 go-spew 1.1.1

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1.32 gofork 1.0.0

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1.33 go-xerial-snappy 0.0.0-20180814174437-776d5712da21

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1.34 httpcomponents-core 4.4.13

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1.35 commons-lang3 2.6

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```

Found in path(s):

```
* /opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-
jar/org/apache/commons/logging/LogFactory.java
```

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```
* /opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-
jar/org/apache/commons/logging/impl/AvalonLogger.java
```

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```
* /opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-
jar/org/apache/commons/logging/impl/WeakHashtable.java
```

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Found in path(s):

```
* /opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-
jar/org/apache/commons/logging/package.html
```

```
* /opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-
jar/org/apache/commons/logging/impl/package.html
```

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* /opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-jar/org/apache/commons/logging/LogConfigurationException.java
* /opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-jar/org/apache/commons/logging/impl/Log4JLogger.java
* /opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-jar/org/apache/commons/logging/impl/LogFactoryImpl.java
*
/opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-jar/org/apache/commons/logging/impl/Jdk13LumberjackLogger.java
* /opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-jar/org/apache/commons/logging/impl/SimpleLog.java
* /opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-jar/org/apache/commons/logging/impl/Jdk14Logger.java
* /opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-jar/org/apache/commons/logging/LogSource.java
* /opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-jar/org/apache/commons/logging/impl/NoOpLog.java
* /opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-jar/org/apache/commons/logging/impl/LogKitLogger.java
* /opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-jar/org/apache/commons/logging/Log.java

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* /opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-jar/org/apache/commons/logging/impl/ServletContextCleaner.java

1.37 commons-codec 1.11

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1.38 javassist 3.25.0-GA

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```
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/tools/web/Viewer.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/CtPrimitiveType.java
*
/opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
jar/javassist/bytecode/MethodInfo.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
jar/javassist/compiler/AccessorMaker.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/compiler/Lex.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
jar/javassist/bytecode/analysis/Executor.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
jar/javassist/ByteArrayClassPath.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
jar/javassist/compiler/ast/Symbol.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/compiler/ast/Pair.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
jar/javassist/bytecode/LocalVariableTypeAttribute.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
jar/javassist/bytecode/analysis/MultiArrayType.java
*
/opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
jar/javassist/compiler/JvstTypeChecker.java
```

* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/compiler/ast/CondExpr.java
 * /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/convert/TransformReadField.java
 * /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/util/proxy/DefineClassHelper.java
 * /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/tools/rmi/AppletServer.java
 * /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/expr/MethodCall.java
 * /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/stackmap/MapMaker.java
 * /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/StackMapTable.java
 *
 /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/Loader.java
 * /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/compiler/ast/Visitor.java
 * /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/util/proxy/ProxyObjectOutputStream.java
 * /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/compiler/Javac.java
 * /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/CodeConverter.java
 * /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/ByteArray.java
 * /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/Translator.java
 * /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/tools/reflect/ClassMetaobject.java
 * /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/AccessFlag.java
 *
 /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/compiler/ast/ASTree.java
 * /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/StackMap.java
 * /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/tools/reflect/Metalevel.java
 * /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/NotFoundException.java
 * /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/compiler/ast/Variable.java
 * /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/DeprecatedAttribute.java
 * /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/compiler/ast/ASTList.java
 * /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/CodeAttribute.java
 * /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/ClassFilePrinter.java
 *

/opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/tools/rmi/Sample.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/compiler/ast/AssignExpr.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/ClassClassPath.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/Bytecode.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/util/proxy/MethodHandler.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/expr/Expr.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/ConstPool.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/util/proxy/ProxyFactory.java
*
/opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/compiler/ast/MethodDecl.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/InnerClassesAttribute.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/compiler/TokenId.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/compiler/MemberResolver.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/CtClassType.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/compiler/ast/Declarator.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/annotation/NoSuchClassError.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/CtNewMethod.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/CtNewConstructor.java
*
/opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/analysis/ControlFlow.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/tools/rmi/RemoteRef.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/tools/rmi/Proxy.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/LoaderClassPath.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/compiler/ast/StringL.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/Descriptor.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/tools/reflect/Metaobject.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/compiler/CodeGen.java
*
/opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/compiler/ast/ArrayInit.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/analysis/Frame.java

* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/FieldInfo.java
 * /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/annotation/AnnotationImpl.java
 * /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/CtNewClass.java
 * /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/util/proxy/ProxyObject.java
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 * /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/scopedpool/ScopedClassPoolRepositoryImpl.java
 * /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/analysis/SubroutineScanner.java
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 /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/compiler/NoFieldException.java
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 * /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/ClassPath.java
 * /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/util/HotSwapper.java
 * /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/convert/TransformNewClass.java
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 * /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/compiler/TypeChecker.java
 * /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/ClassMap.java
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 * /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/tools/rmi/ObjectImporter.java
 * /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-

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jar/javassist/scopedpool/ScopedClassPoolRepository.java
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* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
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* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
jar/javassist/bytecode/ConstantAttribute.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
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jar/javassist/compiler/ast/NewExpr.java
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jar/javassist/compiler/CompileError.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
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* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/tools/Dump.java
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* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/Opcode.java
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* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/expr/FieldAccess.java
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* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
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jar/javassist/bytecode/annotation/ByteMemberValue.java
*
/opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
jar/javassist/bytecode/annotation/EnumMemberValue.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
jar/javassist/bytecode/annotation/ClassMemberValue.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
jar/javassist/bytecode/annotation/AnnotationMemberValue.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
jar/javassist/bytecode/annotation/IntegerMemberValue.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
jar/javassist/bytecode/annotation/StringMemberValue.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
```

```
jar/javassist/bytecode/annotation/LongMemberValue.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
jar/javassist/bytecode/annotation/FloatMemberValue.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
jar/javassist/bytecode/annotation/MemberValueVisitor.java
*
/opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
jar/javassist/bytecode/annotation/CharMemberValue.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
jar/javassist/bytecode/annotation/BooleanMemberValue.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
jar/javassist/bytecode/annotation/ShortMemberValue.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
jar/javassist/bytecode/annotation/Annotation.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
jar/javassist/bytecode/annotation/ArrayMemberValue.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
jar/javassist/bytecode/annotation/DoubleMemberValue.java
```

1.39 jakarta-annotation-api 1.3.5

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1.40 jakarta-validation-api 2.0.2

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*

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* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/Validator.java

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* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/ValidationProviderResolver.java

* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/ValidatorFactory.java

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/opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/metadata/ContainerDescriptor.java

* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/metadata/ConstraintDescriptor.java

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* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/GroupSequence.java

* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraints/Negative.java

* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/ConstraintValidatorFactory.java

*

/opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/ValidationException.java

* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/OverridesAttribute.java

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* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/ConstraintDeclarationException.java

* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/metadata/PropertyDescriptor.java

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jar/javax/validation/constraints/Positive.java
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jar/javax/validation/constraints/Past.java
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INF/maven/jakarta.validation/jakarta.validation-api/pom.xml
```

1.41 jakarta-ws-rs-api 2.1.6

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* <https://github.com/eclipse-ee4j/jaxrs-api>

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1.42 joda-time 2.8.1

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```

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1.45 hk2-utils 2.6.1

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- * <https://github.com/eclipse-ee4j/glassfish-shoal>
- * <https://github.com/eclipse-ee4j/glassfish-cdi-porting-tck>
- * <https://github.com/eclipse-ee4j/glassfish-jsftemplating>
- * <https://github.com/eclipse-ee4j/glassfish-hk2-extra>
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1.47 jakarta-inject 2.6.1

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1.48 commons-math 3.6.1

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The initial code for shuffling an array (originally in class "org.apache.commons.math3.random.RandomDataGenerator", now replaced by a method in class "org.apache.commons.math3.util.MathArrays") was inspired from the algorithm description provided in "Algorithms", by Ian Craw and John Pulham (University of Aberdeen 1999).

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plexus-archiver (3.5)

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plexus-io (3.0.0)

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relaxng-datatype (1.0)

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Sax (0.2)

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testng (6.14.2)

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

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

wagon-http-lightweight (3.0.0)

* License: Pending

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

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

xz for java (1.8)

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1.51 jetty-jakarta-servlet-api 5.0.2

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

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

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- * javax.servlet:javax.servlet-api
- * javax.annotation:javax.annotation-api
- * javax.transaction:javax.transaction-api
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- * java.sun.security.ssl

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org.ow2.asm:asm-commons
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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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

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

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org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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

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1.57 jersey 2.34

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By Sean Eron Anderson
seander@cs.stanford.edu

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Martin Richards
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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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** BYTE Magazine's Native Mode benchmarks

** Rick Grehan, BYTE Magazine

**

** Create:

** Revision: 3/95

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```
<Project Sdk="Microsoft.NET.Sdk">
```

```
<PropertyGroup>
```

```
<OutputType>Exe</OutputType>
```

```
<ApplicationManifest>App.manifest</ApplicationManifest>
```

```
</PropertyGroup>
```

```
<ItemGroup>
```

```
<Compile Include="Program.cs" />
```

```
<Compile Include="..\..\ServerContracts/Server.CoClasses.cs" />
```

```
<Compile Include="..\..\ServerContracts/Server.Contracts.cs" />
```

```
<Compile Include="..\..\ServerContracts/ServerGuids.cs" />
```

```
</ItemGroup>
```

```
<ItemGroup>
```

```
<ProjectReference Include="..\..\NativeServer/CMakeLists.txt" />
```

```
<ProjectReference Include="$(TestSourceDir)Common/CoreCLRTestLibrary/CoreCLRTestLibrary.csproj" />
```

```
</ItemGroup>
```

```
</Project>
```

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1.66 guava 31.0.1-jre

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*/

/**

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

*/

Found in path(s):

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/primitives/DoublesMethodsForWeb.java

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Found in path(s):

```
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/ImmutableSortedMultiset.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/GeneralRange.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/SortedIterables.java
*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/AbstractRangeSet.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/SortedIterable.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/RangeSet.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/ForwardingSortedMultiset.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/ImmutableSortedMultisetFauxverideShim.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/Count.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/RegularImmutableSortedMultiset.java
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```
*/
```

Found in path(s):

```
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/AbstractExecutionThreadService.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/xml/XmlEscapers.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/ForwardingFuture.java
*
```

```

/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/io/LineProcessor.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/html/HtmlEscapers.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/SparseImmutableTable.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/net/UrlEscapers.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/ForwardingListenableFuture.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/AbstractIdleService.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/cache/LocalCache.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/primitives/SignedBytes.java
*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/escape/Platform.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/Service.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/annotations/GwtIncompatible.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/net/HostSpecifier.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/MapMaker.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/SettableFuture.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/primitives/UnsignedBytes.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/escape/Escapers.java
*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/escape/ArrayBasedCharEscaper.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/reflect/TypeResolver.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/base/Splitter.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/AbstractService.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/cache/ReferenceEntry.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/MapMakerInternalMap.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/Cut.java

```

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/RegularImmutableTable.java

*

/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/io/ByteProcessor.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/net/InternetDomainName.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/escape/ArrayBasedUnicodeEscaper.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/base/Platform.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/DenseImmutableTable.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/util/concurrent/ForwardingFluentFuture.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/cache/CacheBuilder.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/io/ByteArrayDataOutput.java

*

/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/util/concurrent/Callables.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/escape/ArrayBasedEscaperMap.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/util/concurrent/JdkFutureAdapters.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/annotations/GwtCompatible.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/io/ByteArrayDataInput.java

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* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/base/MoreObjects.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/eventbus/SubscriberRegistry.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/math/Quantiles.java
*

/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/util/concurrent/ListenerCallQueue.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/eventbus/Dispatcher.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/util/concurrent/TrustedListenableFutureTask.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/eventbus/Subscriber.java

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* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/primitives/Platform.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/util/concurrent/Internal.java

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* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/util/concurrent/AtomicDoubleArray.java

```
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/cache/Striped64.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/cache/LongAdder.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/hash/Striped64.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/hash/LongAdder.java
```

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```

```
*
```

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

```
class.
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/Striped.java
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- * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/graph/AbstractNetwork.java
- * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/graph/DirectedNetworkConnections.java
- * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/HashMultimapGwtSerializationDependencies.java
- *
- /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/graph/EdgesConnecting.java
- * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/graph/AbstractGraph.java
- * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ArrayListMultimapGwtSerializationDependencies.java
- * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/graph/DirectedMultiNetworkConnections.java
- * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/graph/StandardMutableNetwork.java
- * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/graph/GraphConnections.java
- * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/graph/MapRetrievalCache.java
- * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/graph/StandardMutableValueGraph.java
- *
- /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/graph/ElementOrder.java
- * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/graph/ValueGraph.java
- * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/RangeGwtSerializationDependencies.java
- * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/graph/AbstractValueGraph.java
- * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/graph/ForwardingGraph.java
- * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/graph/AbstractDirectedNetworkConnections.java
- * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/graph/MapIteratorCache.java
- *

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/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/graph/GraphBuilder.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/graph/DirectedGraphConnections.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/Comparators.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/graph/MutableValueGraph.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/graph/AbstractGraphBuilder.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/graph/AbstractUndirectedNetworkConnections.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/graph/StandardValueGraph.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/LinkedHashMultimapGwtSerializationDependencies.java
*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/graph/UndirectedNetworkConnections.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/graph/UndirectedMultiNetworkConnections.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/graph/StandardMutableGraph.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/graph/UndirectedGraphConnections.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/graph/NetworkBuilder.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/graph/GraphConstants.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/graph/ForwardingNetwork.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/CollectCollectors.java
*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/graph/ForwardingValueGraph.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/graph/NetworkConnections.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/MoreCollectors.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/ImmutableMultisetGwtSerializationDependencies.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/graph/EndpointPair.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/graph/EndpointPairIterator.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/graph/ValueGraphBuilder.java

```


* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/graph/ImmutableValueGraph.java

*

/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/graph/StandardNetwork.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/graph/MultiEdgesConnecting.java

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* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/escape/UnicodeEscaper.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/FluentIterable.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/base/internal/Finalizer.java

*

/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/net/InetAddresses.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/primitives/Booleans.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/primitives/Bytes.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/base/CharMatcher.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/escape/Escaper.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/base/Converter.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/primitives/Floats.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/base/Joiner.java

```
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/io/FileBackedOutputStream.java
*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/primitives/Doubles.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/ListenableFutureTask.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/primitives/Longs.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/primitives/Ints.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/primitives/Shorts.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/net/PercentEscaper.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/primitives/Chars.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/thirdparty/publicsuffix/TrieParser.java
*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/io/MultiReader.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/SequentialExecutor.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/base/Stopwatch.java
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```
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/AbstractIndexedListIterator.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
```

```
jar/com/google/common/collect/ImmutableClassToInstanceMap.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/ComputationException.java
*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/ComparisonChain.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/SingletonImmutableTable.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/ImmutableSortedMap.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/ImmutableTable.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/ImmutableSortedSetFauxverideShim.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/DiscreteDomain.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/EmptyImmutableSetMultimap.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/ForwardingTable.java
*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/RegularImmutableSortedSet.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/ImmutableAsList.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/ImmutableSetMultimap.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/ImmutableEnumSet.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/SingletonImmutableList.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/TableCollectors.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/RegularImmutableList.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/ArrayTable.java
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*/

/**

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

*/

Found in path(s):

*/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/primitives/IntsMethodsForWeb.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):

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/base/ExtraObjectsMethodsForWeb.java
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* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/SortedMultiset.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/SortedMultisets.java
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/**

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

Found in path(s):

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/primitives/ShortsMethodsForWeb.java

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

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/JdkBackedImmutableBiMap.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/IndexedImmutableSet.java

*

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/BaseImmutableMultimap.java

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jar/com/google/common/util/concurrent/ServiceManagerBridge.java
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* <http://gee.cs.oswego.edu/cgi-bin/viewcvs.cgi/jsr166/src/test/tck/AbstractExecutorServiceTest.java?revision=1.30>

* which contained the following notice:

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jar/com/google/common/util/concurrent/MoreExecutors.java
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* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/io/LineReader.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/base/FinalizableWeakReference.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/base/Defaults.java
*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/util/concurrent/AbstractFuture.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/EnumMultiset.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/io/LittleEndianDataInputStream.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/util/concurrent/ExecutionList.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/eventbus/AsyncEventBus.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/io/package-info.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/io/CountingInputStream.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/eventbus/DeadEvent.java
*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/base/Objects.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/base/Charsets.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/base/Preconditions.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/base/FinalizablePhantomReference.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/eventbus/EventBus.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/base/Functions.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/io/MultiInputStream.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/base/Throwables.java
 * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/io/LittleEndianDataOutputStream.java
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 /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/util/concurrent/ListenableFuture.java
 * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/eventbus/package-info.java
 * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/base/package-info.java
 * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/primitives/Primitives.java
 * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/eventbus/Subscribe.java
 * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/io/Closeables.java
 * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/io/CharStreams.java
 * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/base/Suppliers.java
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 /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/io/Files.java
 * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/io/LineBuffer.java
 * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/io/CountingOutputStream.java
 * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/base/FinalizableSoftReference.java
 * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/util/concurrent/DirectExecutor.java
 * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/HashBiMap.java
 * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/eventbus/AllowConcurrentEvents.java
 * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/base/Function.java
 *
 /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/util/concurrent/package-info.java
 * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/base/FinalizableReferenceQueue.java
 * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/base/Supplier.java
 * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/base/FinalizableReference.java
 * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/io/Resources.java

```
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/io/Flushables.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/io/ByteStreams.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/base/Predicate.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/base/AbstractIterator.java
```

```
*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/base/Predicates.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/Interners.java
```

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*/
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Found in path(s):

```
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/ImmutableSortedAsList.java
```

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* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/util/concurrent/ForwardingCondition.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/primitives/ImmutableIntArray.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/primitives/ImmutableLongArray.java

*

/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/primitives/ImmutableDoubleArray.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/util/concurrent/ForwardingLock.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/hash/AbstractHashFunction.java

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* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/io/AppendableWriter.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/util/concurrent/CollectionFuture.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/escape/CharEscaper.java

*

/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/base/CaseFormat.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/io/PatternFilenameFilter.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/util/concurrent/ImmediateFuture.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-

```
jar/com/google/common/util/concurrent/GwtFluentFutureCatchingSpecialization.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/Futures.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/escape/CharEscaperBuilder.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/TimeoutFuture.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/FuturesGetChecked.java
*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/AbstractTransformFuture.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/FluentFuture.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/GwtFuturesCatchingSpecialization.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/annotations/VisibleForTesting.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/FakeTimeLimiter.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/SimpleTimeLimiter.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/AbstractCatchingFuture.java
*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/TimeLimiter.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/reflect/TypeToken.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/AggregateFuture.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/UncheckedTimeoutException.java
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*/
/**
 * Not supported. <b>You are attempting to create a map that may contain a non-{@code Comparable}
 * key.</b> Proper calls will resolve to the version in {@code ImmutableSortedMap}, not this dummy
 * version.
 *
 * @throws UnsupportedOperationException always
 * @deprecated <b>Pass a key of type {@code Comparable}
 to use {@link
 *   ImmutableSortedMap#of(Comparable, Object)}.</b>
 */

```

Found in path(s):

```

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/ImmutableSortedMapFauxverideShim.java
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* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/hash/Crc32cHashFunction.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/cache/Cache.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/base/FunctionalEquivalence.java
*
 /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/RegularContiguousSet.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/cache/package-info.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/cache/RemovalCause.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-

```

```

jar/com/google/common/base/Present.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/AbstractSortedMultiset.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/cache/CacheLoader.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/cache/RemovalListener.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/cache/AbstractLoadingCache.java
*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/primitives/UnsignedInteger.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/cache/CacheBuilderSpec.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/hash/MessageDigestHashFunction.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/cache/ForwardingCache.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/hash/AbstractStreamingHasher.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/hash/BloomFilterStrategies.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/AsyncFunction.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/primitives/UnsignedLongs.java
*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/cache/ForwardingLoadingCache.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/base/Absent.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/ForwardingExecutorService.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/hash/Funnel.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/base/PairwiseEquivalence.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/base/Enums.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/AbstractScheduledService.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/math/package-info.java
*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/ForwardingListeningExecutorService.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/cache/RemovalNotification.java

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* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/TreeRangeSet.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/primitives/UnsignedInts.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/math/IntMath.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/primitives/UnsignedLong.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/hash/AbstractHasher.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/ListeningScheduledExecutorService.java
*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/hash/Hashing.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/primitives/ParseRequest.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/net/HttpHeaders.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/hash/BloomFilter.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/Queues.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/cache/Weigher.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/math/DoubleMath.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/math/BigIntegerMath.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/math/MathPreconditions.java
*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/hash/AbstractCompositeHashFunction.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/FutureCallback.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/hash/Hasher.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/cache/CacheStats.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/UncheckedExecutionException.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/cache/RemovalListeners.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/hash/Murmur3_128HashFunction.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/hash/HashingOutputStream.java

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*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/hash/PrimitiveSink.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/math/DoubleUtils.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/BoundType.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/base/Ticker.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/cache/LoadingCache.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/reflect/TypeParameter.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/Uninterruptibles.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/CycleDetectingLockFactory.java
*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/hash/Funnels.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/cache/AbstractCache.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/hash/HashFunction.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/EmptyContiguousSet.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/base/Optional.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/ExecutionError.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/net/HostAndPort.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/AbstractListeningExecutorService.java
*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/hash/Murmur3_32HashFunction.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/WrappingExecutorService.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/hash/HashCode.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/RegularImmutableMultiset.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/math/LongMath.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/net/MediaType.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-

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```
jar/com/google/common/collect/DescendingImmutableSortedMultiset.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/hash/AbstractNonStreamingHashFunction.java
*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/reflect/Types.java
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*/
/**
* Outer class that exists solely to let us write {@code Partially.GwtIncompatible} instead of plain
* {@code GwtIncompatible}. This is more accurate for {@link Futures#catching}, which is available
* under GWT but with a slightly different signature.
*
* <p>We can't use {@code PartiallyGwtIncompatible} because then the GWT compiler
wouldn't recognize
* it as a {@code GwtIncompatible} annotation. And for {@code Futures.catching}, we need the GWT
* compiler to autostrip the normal server method in order to expose the special, inherited GWT
* version.
*/
```

```
Found in path(s):
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/Partially.java
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* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/graph/BaseGraph.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/ClosingFuture.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/graph/AbstractBaseGraph.java
*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/graph/Traverser.java
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* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/graph/Graph.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/graph/ImmutableGraph.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/graph/ImmutableNetwork.java
*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/TopKSelector.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/graph/MutableGraph.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-

```
jar/com/google/common/graph/PredecessorsFunction.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/io/InsecureRecursiveDeleteException.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/graph/Graphs.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/io/RecursiveDeleteOption.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/graph/Network.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/graph/MutableNetwork.java
```

```
*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/graph/SuccessorsFunction.java
```

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/*
* This method was rewritten in Java from an intermediate step of the Murmur hash function in
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```
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jar/com/google/common/base/SmallCharMatcher.java
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* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ImmutableMapEntrySet.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ImmutableCollection.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/Table.java
*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/EmptyImmutableListMultimap.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/RegularImmutableBiMap.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/SingletonImmutableBiMap.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ImmutableBiMap.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ImmutableMapKeySet.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ImmutableMap.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/RegularImmutableMap.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/thirdparty/publicsuffix/PublicSuffixPatterns.java
*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/StandardTable.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/TreeBasedTable.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/CollectPreconditions.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/PeekingIterator.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/Tables.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/StandardRowSortedTable.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/Range.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/HashBasedTable.java
*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/Serialization.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/UnmodifiableIterator.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ImmutableMultiset.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ImmutableSortedSet.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/Collections2.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ImmutableEntry.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/Platform.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ImmutableListMultimap.java
*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ImmutableMapValues.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ImmutableMultimap.java
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* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/util/concurrent/ExecutionSequencer.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/hash/ImmutableSupplier.java

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/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/JdkBackedImmutableSet.java

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* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/base/Java8Compatibility.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/math/BigDecimalMath.java

*

/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/util/concurrent/OverflowAvoidingLockSupport.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/math/ToDoubleRounder.java

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jar/com/google/common/base/VerifyException.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/base/Verify.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/reflect/TypeVisitor.java
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/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/AbstractTable.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/hash/HashingInputStream.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/FilteredMultimapValues.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/eventbus/SubscriberExceptionContext.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/Runnables.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/thirdparty/publicsuffix/PublicSuffixType.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/eventbus/SubscriberExceptionHandler.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/WrappingScheduledExecutorService.java
*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/io/CharSequenceReader.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/base/Utf8.java

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- * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/hash/ParametricNullness.java
- * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/base/ElementTypesAreNonnullByDefault.java
- *
- /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/io/ElementTypesAreNonnullByDefault.java
- * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/cache/ParametricNullness.java
- * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/html/ElementTypesAreNonnullByDefault.java
- * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/math/ElementTypesAreNonnullByDefault.java
- * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/base/ParametricNullness.java
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- * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/util/concurrent/ElementTypesAreNonnullByDefault.java
- *
- /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/net/ElementTypesAreNonnullByDefault.java
- * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/escape/ElementTypesAreNonnullByDefault.java
- * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/eventbus/ElementTypesAreNonnullByDefault.java
- * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/eventbus/ParametricNullness.java
- * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/graph/ParametricNullness.java
- * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/reflect/ParametricNullness.java
- * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/primitives/ParametricNullness.java
- * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/cache/ElementTypesAreNonnullByDefault.java
- *
- /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/primitives/ElementTypesAreNonnullByDefault.java


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jar/com/google/common/graph/ElementTypesAreNonnullByDefault.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/hash/ElementTypesAreNonnullByDefault.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/html/ParametricNullness.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/ParametricNullness.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/io/ParametricNullness.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/escape/ParametricNullness.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/net/ParametricNullness.java
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/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/ElementTypesAreNonnullByDefault.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/xml/ParametricNullness.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/math/ParametricNullness.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
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```

```
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/NullnessCasts.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/NullnessCasts.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/base/NullnessCasts.java
```

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jar/com/google/common/graph/IncidentEdgeSet.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/CompactHashing.java
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jar/com/google/common/primitives/package-info.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/base/Strings.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/base/Ascii.java
*
```

```
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/SortedLists.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/annotations/Beta.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/annotations/package-info.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/Atomics.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/Monitor.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/net/package-
info.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/ListeningExecutorService.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/ForwardingBlockingQueue.java
*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/ThreadFactoryBuilder.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/base/Equivalence.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/UncaughtExceptionHandler.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/ContiguousSet.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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jar/com/google/common/io/MoreFiles.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/MultimapBuilder.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/ImmutableMapEntry.java

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* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/MutableClassToInstanceMap.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/AbstractBiMap.java

*

/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/RegularImmutableSet.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ImmutableSet.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ForwardingQueue.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ForwardingMapEntry.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ReverseNaturalOrdering.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ForwardingCollection.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ForwardingList.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ForwardingIterator.java

*

/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ExplicitOrdering.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/Sets.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/Ordering.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ForwardingConcurrentMap.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/AbstractMapBasedMultiset.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/HashMultimap.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ImmutableList.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/TreeMultiset.java

*

/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/MapDifference.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/Multimap.java

```

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/ClassToInstanceMap.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/Maps.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/Lists.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/AbstractSortedSetMultimap.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/AbstractListMultimap.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/NaturalOrdering.java
*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/AbstractMapEntry.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/ArrayListMultimap.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/LinkedListMultimap.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/BiMap.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/UsingToStringOrdering.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/LexicographicalOrdering.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/Multimaps.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/NullsFirstOrdering.java
*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/TreeMultimap.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/AbstractIterator.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/EnumBiMap.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/AbstractMapBasedMultimap.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/EnumHashBiMap.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/AbstractMultiset.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/ForwardingMap.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/ForwardingListIterator.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/ListMultimap.java

```

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*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/ConcurrentHashMultiset.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/Iterators.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/NullsLastOrdering.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/AbstractSetMultimap.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/HashMultiset.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/SingletonImmutableSet.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/Interner.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/ComparatorOrdering.java
*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/Iterables.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/Multisets.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/ForwardingMultimap.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/CompoundOrdering.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/Multiset.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/ForwardingSet.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/SetMultimap.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/ReverseOrdering.java
*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/SortedSetMultimap.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/LinkedHashMultimap.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/package-info.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/ForwardingMultiset.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/ByFunctionOrdering.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/ForwardingObject.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-

```

```
jar/com/google/common/collect/ForwardingSortedSet.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/LinkedHashMultiset.java
*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/ForwardingSortedMap.java
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jar/com/google/common/hash/FarmHashFingerprint64.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
```


jar/com/google/common/hash/LittleEndianByteArray.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/Platform.java
*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/CombinedFuture.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/AsyncCallable.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/io/ReaderInputStream.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/ConsumingQueueIterator.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/InterruptibleTask.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/hash/MacHashFunction.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/AggregateFutureState.java
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jar/com/google/common/reflect/Reflection.java
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* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/cache/LongAddable.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/io/BaseEncoding.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/base/StandardSystemProperty.java
*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/io/ByteSource.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/reflect/ClassPath.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/RateLimiter.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/cache/LongAddables.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/ListenableScheduledFuture.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/reflect/MutableTypeToInstanceMap.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/hash/LongAddable.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/reflect/AbstractInvocationHandler.java
*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/io/ByteSink.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/html/package-info.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/reflect/TypeCapture.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/hash/LongAddables.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/hash/ChecksumHashFunction.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/io/FileWriteMode.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/xml/package-
info.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/hash/SipHashFunction.java

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/hash/AbstractByteHasher.java
*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/CartesianList.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/util/concurrent/ServiceManager.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/util/concurrent/SmoothRateLimiter.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/io/Closer.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/reflect/Parameter.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/reflect/ImmutableTypeToInstanceMap.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/io/CharSink.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/math/LinearTransformation.java
*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/reflect/package-info.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/reflect/Invokable.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/math/StatsAccumulator.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/math/PairedStats.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/io/CharSource.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ImmutableRangeMap.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/math/Stats.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/reflect/TypeToInstanceMap.java
*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/escape/package-info.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ImmutableRangeSet.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/math/PairedStatsAccumulator.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/FilteredKeyMultimap.java
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jar/com/google/common/collect/CollectSpliterators.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/graph/package-info.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
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jar/com/google/common/util/concurrent/AtomicLongMap.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/GwtTransient.java
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 jar/com/google/common/collect/ForwardingDeque.java
 * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
 jar/com/google/common/collect/RegularImmutableAsList.java
 * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
 jar/com/google/common/collect/AbstractMultimap.java
 *
 /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
 jar/com/google/common/collect/UnmodifiableSortedMultiset.java
 * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
 jar/com/google/common/collect/CompactHashSet.java
 * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
 jar/com/google/common/collect/ForwardingNavigableMap.java
 * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
 jar/com/google/common/collect/FilteredKeyListMultimap.java
 * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
 jar/com/google/common/collect/ImmutableEnumMap.java
 * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
 jar/com/google/common/collect/AbstractSortedKeySortedSetMultimap.java
 * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
 jar/com/google/common/collect/TransformedListIterator.java
 * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
 jar/com/google/common/collect/FilteredKeySetMultimap.java
 *
 /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
 jar/com/google/common/util/concurrent/ForwardingBlockingDeque.java
 * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
 jar/com/google/common/collect/ForwardingImmutableList.java
 * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
 jar/com/google/common/collect/CompactLinkedHashSet.java
 * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
 jar/com/google/common/collect/DescendingImmutableSortedSet.java
 * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-

jar/com/google/common/collect/CompactLinkedHashMap.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/FilteredSetMultimap.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/RangeMap.java
*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/ForwardingImmutableSet.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/TreeRangeMap.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/ForwardingNavigableSet.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/AbstractNavigableMap.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/DescendingMultiset.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/AllEqualOrdering.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/EvictingQueue.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/FilteredMultimap.java
*
/opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/TransformedIterator.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/ForwardingBlockingDeque.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/ForwardingImmutableMap.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/FilteredEntrySetMultimap.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/TreeTraverser.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/CompactHashMap.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/SortedMultisetBridge.java
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/FilteredEntryMultimap.java
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*/
/**
* Holder for web specializations of methods of { @code Floats }. Intended to be empty for regular
* version.
*/
```

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```
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/primitives/FloatsMethodsForWeb.java
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```
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jar/com/google/common/base/CommonPattern.java
```

```
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/base/PatternCompiler.java
```

```
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/base/CommonMatcher.java
```

```
*
* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
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- * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ForwardingImmutableCollection.java
- * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/RowSortedTable.java
- *
- /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ForwardingListMultimap.java
- * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/AbstractSequentialIterator.java
- * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ForwardingSortedSetMultimap.java
- * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/MinMaxPriorityQueue.java
- * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/UnmodifiableListIterator.java
- * /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ForwardingSetMultimap.java

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```

*/
/**
 * Returns an array containing all of the elements in the specified collection. This method
 * returns the elements in the order they are returned by the collection's iterator. The returned
 * array is "safe" in that no references to it are maintained by the collection. The caller is
 * thus free to modify the returned
array.
 *
 * <p>This method assumes that the collection size doesn't change while the method is running.
 *
 * <p>TODO(kevinb): support concurrently modified collections?
 *
 * @param c the collection for which to return an array of elements
 */

```

Found in path(s):

```

* /opt/cola/permits/1208929711_1632961079.01/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/ObjectArrays.java

```

1.67 dlintw-goconf 0.0.0-20120228082610-dcc070983490

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1.74 go-systemd 22.3.2

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* /opt/cola/permits/1212966988_1633989798.74/0/cas-client-support-saml-3-4-1-sources-
jar/org/jasig/cas/client/validation/Saml11TicketValidationFilter.java
*
/opt/cola/permits/1212966988_1633989798.74/0/cas-client-support-saml-3-4-1-sources-
jar/org/jasig/cas/client/util/SamlUtils.java
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jar/org/jasig/cas/client/validation/Saml11TicketValidator.java
* /opt/cola/permits/1212966988_1633989798.74/0/cas-client-support-saml-3-4-1-sources-
jar/org/jasig/cas/client/authentication/Saml11AuthenticationFilter.java
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1.78 errors 0.9.1

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1.80 prometheus-procfs 0.7.3

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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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1.81 profile 1.6.0

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1.82 gojsonpointer 0.0.0-20180127040702-4e3ac2762d5f

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1.83 uuid 1.3.0

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1.85 pierrec-lz4 2.6.1+incompatible

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1.86 lumberjack 2.0.0

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1.87 nkeys 0.3.0

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1.88 sqlx 1.3.4

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1.89 klauspost-compress 1.13.6

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1.91 alpine-keys 2.4-r1

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1.93 clientmodel 0.2.0

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1.103 log4j-slf4j-impl 2.17.1

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1.104 log4j-jcl 2.17.1

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1.105 lib-pq 1.10.4

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```
//go:build go1.10
// +build go1.10
```

```
package pq
```

```
import (  
    "context"  
    "database/sql/driver"  
)
```

```
// NoticeHandler returns the notice handler on the given connection, if any. A  
// runtime panic occurs if c is not a pq connection. This is rarely used  
// directly, use ConnectorNoticeHandler and ConnectorWithNoticeHandler instead.  
func NoticeHandler(c driver.Conn) func(*Error) {
```

```

return c.(*conn).noticeHandler
}

// SetNoticeHandler sets the given notice handler on the given connection. A
// runtime panic occurs if c is not a pq connection. A nil handler may be used
// to unset it. This is rarely used directly, use ConnectorNoticeHandler and
// ConnectorWithNoticeHandler instead.
//
// Note: Notice handlers are executed synchronously by pq meaning commands
// won't continue to be processed until the handler returns.
func SetNoticeHandler(c driver.Conn, handler func(*Error)) {
    c.(*conn).noticeHandler = handler
}

// NoticeHandlerConnector wraps a regular connector and sets a notice handler
//
// on it.
type NoticeHandlerConnector struct {
    driver.Connector
    noticeHandler func(*Error)
}

// Connect calls the underlying connector's connect method and then sets the
// notice handler.
func (n *NoticeHandlerConnector) Connect(ctx context.Context) (driver.Conn, error) {
    c, err := n.Connector.Connect(ctx)
    if err == nil {
        SetNoticeHandler(c, n.noticeHandler)
    }
    return c, err
}

// ConnectorNoticeHandler returns the currently set notice handler, if any. If
// the given connector is not a result of ConnectorWithNoticeHandler, nil is
// returned.
func ConnectorNoticeHandler(c driver.Connector) func(*Error) {
    if c, ok := c.(*NoticeHandlerConnector); ok {
        return c.noticeHandler
    }
    return nil
}

// ConnectorWithNoticeHandler creates or sets the given handler for the given
// connector. If the given connector is a result of calling this function
// previously, it is simply set on the given connector and returned. Otherwise,
// this returns a new connector wrapping the given one and
// setting the notice
// handler. A nil notice handler may be used to unset it.

```

```
//
// The returned connector is intended to be used with database/sql.OpenDB.
//
// Note: Notice handlers are executed synchronously by pq meaning commands
// won't continue to be processed until the handler returns.
func ConnectorWithNoticeHandler(c driver.Connector, handler func(*Error)) *NoticeHandlerConnector {
    if c, ok := c.(*NoticeHandlerConnector); ok {
        c.noticeHandler = handler
        return c
    }
    return &NoticeHandlerConnector{Connector: c, noticeHandler: handler}
}
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```

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1.106 error_prone_annotations 2.5.1

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- * /opt/cola/permits/1257847059_1643019272.48/0/error-prone-annotations-2-5-1-sources-jar/com/google/errorprone/annotations/concurrent/UnlockMethod.java
- *

/opt/cola/permits/1257847059_1643019272.48/0/error-prone-annotations-2-5-1-sources-jar/com/google/errorprone/annotations/NoAllocation.java

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- * /opt/cola/permits/1257847059_1643019272.48/0/error-prone-annotations-2-5-1-sources-jar/com/google/errorprone/annotations/CheckReturnValue.java
- * /opt/cola/permits/1257847059_1643019272.48/0/error-prone-annotations-2-5-1-sources-jar/com/google/errorprone/annotations/OverridingMethodsMustInvokeSuper.java
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* /opt/cola/permits/1257847059_1643019272.48/0/error-prone-annotations-2-5-1-sources-jar/com/google/errorprone/annotations/CanIgnoreReturnValue.java
* /opt/cola/permits/1257847059_1643019272.48/0/error-prone-annotations-2-5-1-sources-jar/com/google/errorprone/annotations/IncompatibleModifiers.java
*

/opt/cola/permits/1257847059_1643019272.48/0/error-prone-annotations-2-5-1-sources-jar/com/google/errorprone/annotations/SuppressPackageLocation.java
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* /opt/cola/permits/1257847059_1643019272.48/0/error-prone-annotations-2-5-1-sources-jar/com/google/errorprone/annotations/Immutable.java
* /opt/cola/permits/1257847059_1643019272.48/0/error-prone-annotations-2-5-1-sources-jar/com/google/errorprone/annotations/concurrent/LazyInit.java

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- * /opt/cola/permits/1257847059_1643019272.48/0/error-prone-annotations-2-5-1-sources-jar/com/google/errorprone/annotations/FormatString.java
- *
- /opt/cola/permits/1257847059_1643019272.48/0/error-prone-annotations-2-5-1-sources-jar/com/google/errorprone/annotations/DoNotMock.java
- * /opt/cola/permits/1257847059_1643019272.48/0/error-prone-annotations-2-5-1-sources-jar/com/google/errorprone/annotations/FormatMethod.java
- * /opt/cola/permits/1257847059_1643019272.48/0/error-prone-annotations-2-5-1-sources-jar/com/google/errorprone/annotations/CompatibleWith.java

1.107 listenablefuture 1.0

1.107.1 Available under license :

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Found in path(s):

- * /opt/cola/permits/1258121121_1643033053.9/0/listenablefuture-1-0-sources-jar/com/google/common/util/concurrent/ListenableFuture.java

1.108 error_prone_annotations 2.7.1

1.108.1 Available under license :

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```

Found in path(s):

```
* /opt/cola/permits/1258176975_1643041610.68/0/error-prone-annotations-2-7-1-sources-
jar/com/google/errorprone/annotations/concurrent/LockMethod.java
* /opt/cola/permits/1258176975_1643041610.68/0/error-prone-annotations-2-7-1-sources-
jar/com/google/errorprone/annotations/concurrent/UnlockMethod.java
*
```

```
/opt/cola/permits/1258176975_1643041610.68/0/error-prone-annotations-2-7-1-sources-
jar/com/google/errorprone/annotations/NoAllocation.java
```

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```

Found in path(s):

```
* /opt/cola/permits/1258176975_1643041610.68/0/error-prone-annotations-2-7-1-sources-
jar/com/google/errorprone/annotations/CheckReturnValue.java
* /opt/cola/permits/1258176975_1643041610.68/0/error-prone-annotations-2-7-1-sources-
jar/com/google/errorprone/annotations/concurrent/GuardedBy.java
* /opt/cola/permits/1258176975_1643041610.68/0/error-prone-annotations-2-7-1-sources-
jar/com/google/errorprone/annotations/DoNotCall.java
```

*
/opt/cola/permits/1258176975_1643041610.68/0/error-prone-annotations-2-7-1-sources-jar/com/google/errorprone/annotations/OverridingMethodsMustInvokeSuper.java
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Found in path(s):

* /opt/cola/permits/1258176975_1643041610.68/0/error-prone-annotations-2-7-1-sources-jar/com/google/errorprone/annotations/IncompatibleModifiers.java
* /opt/cola/permits/1258176975_1643041610.68/0/error-prone-annotations-2-7-1-sources-jar/com/google/errorprone/annotations/SuppressPackageLocation.java
*

/opt/cola/permits/1258176975_1643041610.68/0/error-prone-annotations-2-7-1-sources-jar/com/google/errorprone/annotations/ForOverride.java
* /opt/cola/permits/1258176975_1643041610.68/0/error-prone-annotations-2-7-1-sources-jar/com/google/errorprone/annotations/RequiredModifiers.java
* /opt/cola/permits/1258176975_1643041610.68/0/error-prone-annotations-2-7-1-sources-jar/com/google/errorprone/annotations/Immutable.java
* /opt/cola/permits/1258176975_1643041610.68/0/error-prone-annotations-2-7-1-sources-jar/com/google/errorprone/annotations/CanIgnoreReturnValue.java
* /opt/cola/permits/1258176975_1643041610.68/0/error-prone-annotations-2-7-1-sources-jar/com/google/errorprone/annotations/concurrent/LazyInit.java
* /opt/cola/permits/1258176975_1643041610.68/0/error-prone-annotations-2-7-1-sources-jar/com/google/errorprone/annotations/CompileTimeConstant.java
* /opt/cola/permits/1258176975_1643041610.68/0/error-prone-annotations-2-7-1-sources-jar/com/google/errorprone/annotations/Var.java
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Found in path(s):

* /opt/cola/permits/1258176975_1643041610.68/0/error-prone-annotations-2-7-1-sources-jar/com/google/errorprone/annotations/FormatMethod.java
* /opt/cola/permits/1258176975_1643041610.68/0/error-prone-annotations-2-7-1-sources-jar/com/google/errorprone/annotations/CompatibleWith.java
* /opt/cola/permits/1258176975_1643041610.68/0/error-prone-annotations-2-7-1-sources-jar/com/google/errorprone/annotations/FormatString.java
*

/opt/cola/permits/1258176975_1643041610.68/0/error-prone-annotations-2-7-1-sources-jar/com/google/errorprone/annotations/DoNotMock.java
* /opt/cola/permits/1258176975_1643041610.68/0/error-prone-annotations-2-7-1-sources-jar/com/google/errorprone/annotations/MustBeClosed.java
* /opt/cola/permits/1258176975_1643041610.68/0/error-prone-annotations-2-7-1-sources-jar/com/google/errorprone/annotations/RestrictedApi.java

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Found in path(s):

* /opt/cola/permits/1258176975_1643041610.68/0/error-prone-annotations-2-7-1-sources-jar/com/google/errorprone/annotations/InlineMeValidationDisabled.java
* /opt/cola/permits/1258176975_1643041610.68/0/error-prone-annotations-2-7-1-sources-jar/com/google/errorprone/annotations/InlineMe.java

1.109 stax-ex 1.8.1

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- * <https://github.com/eclipse-ee4j/jaxb-fi>
- *
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- * Source: <https://mvnrepository.com/artifact/org.apache.maven/maven-core/3.5.2>

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

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* 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>

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(3.5.2)

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* Project: <http://www.megginson.com/downloads/SAX/>

* 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>

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1.110 roaringbitmap 0.7.17

1.110.1 Available under license :

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```
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>
```

```

<parent>
  <groupId>org.roaringbitmap</groupId>
  <artifactId>RoaringBitmapParent</artifactId>
  <version>0.7.17</version>
</parent>
<artifactId>RoaringBitmap</artifactId>
<name>RoaringBitmap</name>
<url>https://github.com/RoaringBitmap/RoaringBitmap</url>
<description>Roaring bitmaps are compressed bitmaps (also called bitsets) which tend to outperform
  conventional compressed bitmaps such as WAH or Concise. </description>
<packaging>bundle</packaging>
<developers>
  <developer>
    <id>lemire</id>
    <name>Daniel Lemire</name>
    <email>lemire@gmail.com</email>
    <url>http://lemire.me/en/</url>
    <roles>
      <role>architect</role>
      <role>developer</role>
      <role>maintainer</role>
    </roles>
    <timezone>-5</timezone>
    <properties>
      <picUrl>http://lemire.me/fr/images/JPG/profile2011B_152.jpg</picUrl>
    </properties>
  </developer>
</developers>
<issueManagement>
  <system>GitHub Issue Tracking</system>
  <url>https://github.com/RoaringBitmap/RoaringBitmap/issues</url>
</issueManagement>
<licenses>
  <license>
    <name>Apache 2</name>
    <url>http://www.apache.org/licenses/LICENSE-2.0.txt</url>
    <distribution>repo</distribution>
    <comments>A business-friendly OSS license</comments>
  </license>
</licenses>
<properties>
  <checkstyle.configLocation>${basedir}/style/roaring_google_checks.xml</checkstyle.configLocation>
</properties>
<dependencies>
  <dependency>
    <groupId>junit</groupId>
    <artifactId>junit</artifactId>
  </dependency>

```

```

<dependency>
  <groupId>com.google.guava</groupId>
  <artifactId>guava</artifactId>
  <scope>test</scope>
</dependency>
<dependency>
  <groupId>org.apache.commons</groupId>
  <artifactId>commons-lang3</artifactId>
  <scope>test</scope>
</dependency>
</dependencies>
<build>
  <plugins>
    <plugin>
      <groupId>org.apache.maven.plugins</groupId>
      <artifactId>maven-eclipse-plugin</artifactId>
      <version>2.10</version>
      <configuration>
        <workspace>${basedir}</workspace>
        <workspaceCodeStylesURL>${basedir}/style/eclipse-java-google-style.xml</workspaceCodeStylesURL>
      </configuration>
    </plugin>
    <plugin>
      <groupId>org.apache.maven.plugins</groupId>
      <artifactId>maven-surefire-plugin</artifactId>
      <version>2.19.1</version>
      <configuration>
        <forkCount>1</forkCount>
        <reuseForks>>false</reuseForks>
        <argLine>-Xmx2g ${argLine}</argLine>
      </configuration>
    </plugin>
    <plugin>
      <groupId>org.apache.felix</groupId>
      <artifactId>maven-bundle-plugin</artifactId>
      <version>3.2.0</version>
      <extensions>>true</extensions>
      <configuration>
        <instructions>
          <Export-Package>org.roaringbitmap.*</Export-Package>
          <Import-Package>*</Import-Package>
        </instructions>
      </configuration>
    </plugin>
  </plugins>
</build>
</project>

```

Found in path(s):

* /opt/cola/permits/1260753176_1643213203.82/0/roaringbitmap-0-7-17-sources-jar/META-INF/maven/org.roaringbitmap/roaringbitmap/pom.xml

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* /opt/cola/permits/1260753176_1643213203.82/0/roaringbitmap-0-7-17-sources-jar/org/roaringbitmap/roaringbitmap/Supplier.java

* /opt/cola/permits/1260753176_1643213203.82/0/roaringbitmap-0-7-17-sources-jar/org/roaringbitmap/buffer/BufferIntIteratorFlyweight.java

* /opt/cola/permits/1260753176_1643213203.82/0/roaringbitmap-0-7-17-sources-jar/org/roaringbitmap/buffer/package-info.java

* /opt/cola/permits/1260753176_1643213203.82/0/roaringbitmap-0-7-17-sources-jar/org/roaringbitmap/package-info.java

* /opt/cola/permits/1260753176_1643213203.82/0/roaringbitmap-0-7-17-sources-jar/org/roaringbitmap/buffer/BufferFastAggregation.java

* /opt/cola/permits/1260753176_1643213203.82/0/roaringbitmap-0-7-17-sources-jar/org/roaringbitmap/buffer/MappableBitmapContainer.java

*

/opt/cola/permits/1260753176_1643213203.82/0/roaringbitmap-0-7-17-sources-jar/org/roaringbitmap/longlong/RoaringIntPacking.java

* /opt/cola/permits/1260753176_1643213203.82/0/roaringbitmap-0-7-17-sources-jar/org/roaringbitmap/longlong/LongConsumer.java

* /opt/cola/permits/1260753176_1643213203.82/0/roaringbitmap-0-7-17-sources-jar/org/roaringbitmap/RoaringArray.java

* /opt/cola/permits/1260753176_1643213203.82/0/roaringbitmap-0-7-17-sources-jar/org/roaringbitmap/ArrayContainer.java

* /opt/cola/permits/1260753176_1643213203.82/0/roaringbitmap-0-7-17-sources-jar/org/roaringbitmap/Container.java

* /opt/cola/permits/1260753176_1643213203.82/0/roaringbitmap-0-7-17-sources-jar/org/roaringbitmap/ReverseIntIteratorFlyweight.java

* /opt/cola/permits/1260753176_1643213203.82/0/roaringbitmap-0-7-17-sources-jar/org/roaringbitmap/longlong/LongIterator.java

* /opt/cola/permits/1260753176_1643213203.82/0/roaringbitmap-0-7-17-sources-jar/org/roaringbitmap/RoaringBitmap.java

*

/opt/cola/permits/1260753176_1643213203.82/0/roaringbitmap-0-7-17-sources-jar/org/roaringbitmap/ImmutableBitmapDataProvider.java

* /opt/cola/permits/1260753176_1643213203.82/0/roaringbitmap-0-7-17-sources-jar/org/roaringbitmap/buffer/ImmutableRoaringArray.java

* /opt/cola/permits/1260753176_1643213203.82/0/roaringbitmap-0-7-17-sources-jar/org/roaringbitmap/IntIteratorFlyweight.java

```

* /opt/cola/permits/1260753176_1643213203.82/0/roaringbitmap-0-7-17-sources-
jar/org/roaringbitmap/BitmapContainer.java
* /opt/cola/permits/1260753176_1643213203.82/0/roaringbitmap-0-7-17-sources-
jar/org/roaringbitmap/buffer/PointableRoaringArray.java
* /opt/cola/permits/1260753176_1643213203.82/0/roaringbitmap-0-7-17-sources-
jar/org/roaringbitmap/FastAggregation.java
* /opt/cola/permits/1260753176_1643213203.82/0/roaringbitmap-0-7-17-sources-
jar/org/roaringbitmap/longlong/Roaring64NavigableMap.java
* /opt/cola/permits/1260753176_1643213203.82/0/roaringbitmap-0-7-17-sources-
jar/org/roaringbitmap/BitmapDataProviderSupplier.java
*
/opt/cola/permits/1260753176_1643213203.82/0/roaringbitmap-0-7-17-sources-
jar/org/roaringbitmap/buffer/MappeableContainer.java
* /opt/cola/permits/1260753176_1643213203.82/0/roaringbitmap-0-7-17-sources-
jar/org/roaringbitmap/buffer/MutableRoaringArray.java
* /opt/cola/permits/1260753176_1643213203.82/0/roaringbitmap-0-7-17-sources-
jar/org/roaringbitmap/buffer/MutableRoaringBitmapSupplier.java
* /opt/cola/permits/1260753176_1643213203.82/0/roaringbitmap-0-7-17-sources-
jar/org/roaringbitmap/longlong/package-info.java
* /opt/cola/permits/1260753176_1643213203.82/0/roaringbitmap-0-7-17-sources-
jar/org/roaringbitmap/ContainerPointer.java
* /opt/cola/permits/1260753176_1643213203.82/0/roaringbitmap-0-7-17-sources-
jar/org/roaringbitmap/buffer/ImmutableRoaringBitmap.java
* /opt/cola/permits/1260753176_1643213203.82/0/roaringbitmap-0-7-17-sources-
jar/org/roaringbitmap/BitmapDataProvider.java
* /opt/cola/permits/1260753176_1643213203.82/0/roaringbitmap-0-7-17-sources-
jar/org/roaringbitmap/ShortIterator.java
*
/opt/cola/permits/1260753176_1643213203.82/0/roaringbitmap-0-7-17-sources-
jar/org/roaringbitmap/buffer/MappeableArrayContainer.java
* /opt/cola/permits/1260753176_1643213203.82/0/roaringbitmap-0-7-17-sources-
jar/org/roaringbitmap/longlong/LongBitmapDataProvider.java
* /opt/cola/permits/1260753176_1643213203.82/0/roaringbitmap-0-7-17-sources-
jar/org/roaringbitmap/buffer/BufferReverseIntIteratorFlyweight.java
* /opt/cola/permits/1260753176_1643213203.82/0/roaringbitmap-0-7-17-sources-
jar/org/roaringbitmap/Util.java
* /opt/cola/permits/1260753176_1643213203.82/0/roaringbitmap-0-7-17-sources-
jar/org/roaringbitmap/longlong/ImmutableLongBitmapDataProvider.java
* /opt/cola/permits/1260753176_1643213203.82/0/roaringbitmap-0-7-17-sources-
jar/org/roaringbitmap/PeekableShortIterator.java
* /opt/cola/permits/1260753176_1643213203.82/0/roaringbitmap-0-7-17-sources-
jar/org/roaringbitmap/buffer/MappeableContainerPointer.java
*
/opt/cola/permits/1260753176_1643213203.82/0/roaringbitmap-0-7-17-sources-
jar/org/roaringbitmap/buffer/MappeableRunContainer.java
* /opt/cola/permits/1260753176_1643213203.82/0/roaringbitmap-0-7-17-sources-
jar/org/roaringbitmap/longlong/PeekableLongIterator.java
* /opt/cola/permits/1260753176_1643213203.82/0/roaringbitmap-0-7-17-sources-
jar/org/roaringbitmap/IntIterator.java

```

```
* /opt/cola/permits/1260753176_1643213203.82/0/roaringbitmap-0-7-17-sources-
jar/org/roaringbitmap/RunContainer.java
* /opt/cola/permits/1260753176_1643213203.82/0/roaringbitmap-0-7-17-sources-
jar/org/roaringbitmap/buffer/BufferUtil.java
```

1.111 jprocesses 1.6.5

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Found in path(s):

```
* /opt/cola/permits/1260753664_1643213336.54/0/jprocesses-1-6-5-sources-
jar/org/jutils/jprocesses/info/UnixProcessesService.java
* /opt/cola/permits/1260753664_1643213336.54/0/jprocesses-1-6-5-sources-
jar/org/jutils/jprocesses/info/ProcessesFactory.java
* /opt/cola/permits/1260753664_1643213336.54/0/jprocesses-1-6-5-sources-
jar/org/jutils/jprocesses/util/ProcessesUtils.java
*
/opt/cola/permits/1260753664_1643213336.54/0/jprocesses-1-6-5-sources-jar/org/jutils/jprocesses/JProcesses.java
* /opt/cola/permits/1260753664_1643213336.54/0/jprocesses-1-6-5-sources-
jar/org/jutils/jprocesses/util/OSDetector.java
* /opt/cola/permits/1260753664_1643213336.54/0/jprocesses-1-6-5-sources-
jar/org/jutils/jprocesses/model/ProcessInfo.java
* /opt/cola/permits/1260753664_1643213336.54/0/jprocesses-1-6-5-sources-
jar/org/jutils/jprocesses/info/ProcessesService.java
* /opt/cola/permits/1260753664_1643213336.54/0/jprocesses-1-6-5-sources-
jar/org/jutils/jprocesses/info/AbstractProcessesService.java
* /opt/cola/permits/1260753664_1643213336.54/0/jprocesses-1-6-5-sources-
jar/org/jutils/jprocesses/info/WindowsProcessesService.java
```

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```
*/opt/cola/permits/1260753664_1643213336.54/0/jprocesses-1-6-5-sources-
jar/org/jutils/jprocesses/model/JProcessesResponse.java
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```
*/opt/cola/permits/1260753664_1643213336.54/0/jprocesses-1-6-5-sources-
jar/org/jutils/jprocesses/model/WindowsPriority.java
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* /opt/cola/permits/1260753664_1643213336.54/0/jprocesses-1-6-5-sources-jar/org/jutils/jprocesses/info/VBScriptHelper.java

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Found in path(s):

* /opt/cola/permits/1260753664_1643213336.54/0/jprocesses-1-6-5-sources-jar/META-INF/maven/org.jprocesses/jProcesses/pom.xml

1.112 jpowershell 3.0

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1.113 wmi4java 1.6.3

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1.114 slf4j 1.7.35

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* /opt/cola/permits/1269771285_1653541614.2614305/0/slf4j-api-1-7-35-sources-jar/org/slf4j/helpers/BasicMarkerFactory.java
* /opt/cola/permits/1269771285_1653541614.2614305/0/slf4j-api-1-7-35-sources-jar/org/slf4j/impl/StaticLoggerBinder.java
* /opt/cola/permits/1269771285_1653541614.2614305/0/slf4j-api-1-7-35-sources-jar/org/slf4j/helpers/MessageFormatter.java
* /opt/cola/permits/1269771285_1653541614.2614305/0/slf4j-api-1-7-35-sources-jar/org/slf4j/spi/MDCAdapter.java
* /opt/cola/permits/1269771285_1653541614.2614305/0/slf4j-api-1-7-35-sources-jar/org/slf4j/Marker.java
* /opt/cola/permits/1269771285_1653541614.2614305/0/slf4j-api-1-7-35-sources-jar/org/slf4j/ILoggerFactory.java
*
/opt/cola/permits/1269771285_1653541614.2614305/0/slf4j-api-1-7-35-sources-jar/org/slf4j/Logger.java
* /opt/cola/permits/1269771285_1653541614.2614305/0/slf4j-api-1-7-35-sources-jar/org/slf4j/helpers/FormattingTuple.java
* /opt/cola/permits/1269771285_1653541614.2614305/0/slf4j-api-1-7-35-sources-jar/org/slf4j/helpers/Util.java
* /opt/cola/permits/1269771285_1653541614.2614305/0/slf4j-api-1-7-35-sources-jar/org/slf4j/impl/StaticMarkerBinder.java
* /opt/cola/permits/1269771285_1653541614.2614305/0/slf4j-api-1-7-35-sources-jar/org/slf4j/helpers/NOPMDCAdapter.java
* /opt/cola/permits/1269771285_1653541614.2614305/0/slf4j-api-1-7-35-sources-jar/org/slf4j/helpers/NOPLLoggerFactory.java
* /opt/cola/permits/1269771285_1653541614.2614305/0/slf4j-api-1-7-35-sources-jar/org/slf4j/spi/LoggerFactoryBinder.java
* /opt/cola/permits/1269771285_1653541614.2614305/0/slf4j-api-1-7-35-sources-jar/org/slf4j/impl/StaticMDCBinder.java
*
/opt/cola/permits/1269771285_1653541614.2614305/0/slf4j-api-1-7-35-sources-jar/org/slf4j/helpers/SubstituteLogger.java
* /opt/cola/permits/1269771285_1653541614.2614305/0/slf4j-api-1-7-35-sources-jar/org/slf4j/helpers/SubstituteLoggerFactory.java
* /opt/cola/permits/1269771285_1653541614.2614305/0/slf4j-api-1-7-35-sources-jar/org/slf4j/helpers/NamedLoggerBase.java
* /opt/cola/permits/1269771285_1653541614.2614305/0/slf4j-api-1-7-35-sources-jar/org/slf4j/spi/LocationAwareLogger.java
* /opt/cola/permits/1269771285_1653541614.2614305/0/slf4j-api-1-7-35-sources-jar/org/slf4j/LoggerFactory.java
* /opt/cola/permits/1269771285_1653541614.2614305/0/slf4j-api-1-7-35-sources-jar/org/slf4j/helpers/MarkerIgnoringBase.java
* /opt/cola/permits/1269771285_1653541614.2614305/0/slf4j-api-1-7-35-sources-jar/org/slf4j/spi/MarkerFactoryBinder.java

```

* /opt/cola/permits/1269771285_1653541614.2614305/0/slf4j-api-1-7-35-sources-jar/org/slf4j/MarkerFactory.java
* /opt/cola/permits/1269771285_1653541614.2614305/0/slf4j-api-1-7-35-sources-
jar/org/slf4j/helpers/BasicMDCAdapter.java
*
/opt/cola/permits/1269771285_1653541614.2614305/0/slf4j-api-1-7-35-sources-
jar/org/slf4j/helpers/BasicMarker.java
* /opt/cola/permits/1269771285_1653541614.2614305/0/slf4j-api-1-7-35-sources-
jar/org/slf4j/helpers/NOPLogger.java
* /opt/cola/permits/1269771285_1653541614.2614305/0/slf4j-api-1-7-35-sources-jar/org/slf4j/IMarkerFactory.java

```

1.115 asn-one 0.5.0

1.115.1 Available under license :

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```

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*/

```

Found in path(s):

```

* /opt/cola/permits/1275263757_1645452308.79/0/asn-one-0-5-0-sources-
jar/com/hierynomus/asn1/types/constructed/ASN1Sequence.java
* /opt/cola/permits/1275263757_1645452308.79/0/asn-one-0-5-0-sources-
jar/com/hierynomus/asn1/annotations/ParsedBy.java
* /opt/cola/permits/1275263757_1645452308.79/0/asn-one-0-5-0-sources-
jar/com/hierynomus/asn1/types/primitive/ASN1PrimitiveValue.java
*
/opt/cola/permits/1275263757_1645452308.79/0/asn-one-0-5-0-sources-
jar/com/hierynomus/asn1/annotations/ASN1.java
* /opt/cola/permits/1275263757_1645452308.79/0/asn-one-0-5-0-sources-
jar/com/hierynomus/asn1/util/Checks.java
* /opt/cola/permits/1275263757_1645452308.79/0/asn-one-0-5-0-sources-
jar/com/hierynomus/asn1/types/primitive/ASN1Integer.java
* /opt/cola/permits/1275263757_1645452308.79/0/asn-one-0-5-0-sources-
jar/com/hierynomus/asn1/types/ASN1TagClass.java

```

```

* /opt/cola/permits/1275263757_1645452308.79/0/asn-one-0-5-0-sources-
jar/com/hierynomus/asn1/types/ASN1Tag.java
* /opt/cola/permits/1275263757_1645452308.79/0/asn-one-0-5-0-sources-
jar/com/hierynomus/asn1/ASN1Serializer.java
* /opt/cola/permits/1275263757_1645452308.79/0/asn-one-0-5-0-sources-
jar/com/hierynomus/asn1/types/primitive/ASN1Boolean.java
* /opt/cola/permits/1275263757_1645452308.79/0/asn-one-0-5-0-sources-
jar/com/hierynomus/asn1/types/primitive/ASN1Null.java
*
/opt/cola/permits/1275263757_1645452308.79/0/asn-one-0-5-0-sources-
jar/com/hierynomus/asn1/types/ASN1Primitive.java
* /opt/cola/permits/1275263757_1645452308.79/0/asn-one-0-5-0-sources-
jar/com/hierynomus/asn1/ASN1OutputStream.java
* /opt/cola/permits/1275263757_1645452308.79/0/asn-one-0-5-0-sources-
jar/com/hierynomus/asn1/types/string/ASN1String.java
* /opt/cola/permits/1275263757_1645452308.79/0/asn-one-0-5-0-sources-
jar/com/hierynomus/asn1/ASN1InputStream.java
* /opt/cola/permits/1275263757_1645452308.79/0/asn-one-0-5-0-sources-
jar/com/hierynomus/asn1/encodingrules/ASN1Encoder.java
* /opt/cola/permits/1275263757_1645452308.79/0/asn-one-0-5-0-sources-
jar/com/hierynomus/asn1/types/string/ASN1OctetString.java
* /opt/cola/permits/1275263757_1645452308.79/0/asn-one-0-5-0-sources-
jar/com/hierynomus/asn1/types/ASN1Encoding.java
* /opt/cola/permits/1275263757_1645452308.79/0/asn-one-0-5-0-sources-
jar/com/hierynomus/asn1/encodingrules/ber/BERDecoder.java
*
/opt/cola/permits/1275263757_1645452308.79/0/asn-one-0-5-0-sources-
jar/com/hierynomus/asn1/ASN1ParseException.java
* /opt/cola/permits/1275263757_1645452308.79/0/asn-one-0-5-0-sources-
jar/com/hierynomus/asn1/types/ASN1Constructed.java
* /opt/cola/permits/1275263757_1645452308.79/0/asn-one-0-5-0-sources-
jar/com/hierynomus/asn1/types/primitive/ASN1Enumerated.java
* /opt/cola/permits/1275263757_1645452308.79/0/asn-one-0-5-0-sources-
jar/com/hierynomus/asn1/types/primitive/ASN1ObjectIdentifier.java
* /opt/cola/permits/1275263757_1645452308.79/0/asn-one-0-5-0-sources-
jar/com/hierynomus/asn1/types/string/ASN1BitString.java
* /opt/cola/permits/1275263757_1645452308.79/0/asn-one-0-5-0-sources-
jar/com/hierynomus/asn1/types/ASN1Object.java
* /opt/cola/permits/1275263757_1645452308.79/0/asn-one-0-5-0-sources-
jar/com/hierynomus/asn1/encodingrules/der/DERDecoder.java
* /opt/cola/permits/1275263757_1645452308.79/0/asn-one-0-5-0-sources-
jar/com/hierynomus/asn1/encodingrules/ASN1Decoder.java
*
/opt/cola/permits/1275263757_1645452308.79/0/asn-one-0-5-0-sources-
jar/com/hierynomus/asn1/types/constructed/ASN1TaggedObject.java
* /opt/cola/permits/1275263757_1645452308.79/0/asn-one-0-5-0-sources-
jar/com/hierynomus/asn1/types/constructed/ASN1Set.java
* /opt/cola/permits/1275263757_1645452308.79/0/asn-one-0-5-0-sources-

```

```
jar/com/hierynomus/asn1/encodingrules/der/DEREncoder.java
* /opt/cola/permits/1275263757_1645452308.79/0/asn-one-0-5-0-sources-
jar/com/hierynomus/asn1/ASN1Parser.java
```

1.116 gopkg.in/urfave/cli.v1 1.20.0

1.116.1 Available under license :

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1.117 pq 1.10.4

1.117.1 Available under license :

```
//go:build go1.10
// +build go1.10
```

```
package pq
```

```
import (
    "context"
    "database/sql/driver"
)
```

```
// NoticeHandler returns the notice handler on the given connection, if any. A
// runtime panic occurs if c is not a pq connection. This is rarely used
// directly, use ConnectorNoticeHandler and ConnectorWithNoticeHandler instead.
```

```

func NoticeHandler(c driver.Conn) func(*Error) {
    return c.(*conn).noticeHandler
}

// SetNoticeHandler sets the given notice handler on the given connection. A
// runtime panic occurs if c is not a pq connection. A nil handler may be used
// to unset it. This is rarely used directly, use ConnectorNoticeHandler and
// ConnectorWithNoticeHandler instead.
//
// Note: Notice handlers are executed synchronously by pq meaning commands
// won't continue to be processed until the handler returns.
func SetNoticeHandler(c driver.Conn, handler func(*Error)) {
    c.(*conn).noticeHandler = handler
}

// NoticeHandlerConnector wraps a regular connector and sets a notice handler
//
// on it.
type NoticeHandlerConnector struct {
    driver.Connector
    noticeHandler func(*Error)
}

// Connect calls the underlying connector's connect method and then sets the
// notice handler.
func (n *NoticeHandlerConnector) Connect(ctx context.Context) (driver.Conn, error) {
    c, err := n.Connector.Connect(ctx)
    if err == nil {
        SetNoticeHandler(c, n.noticeHandler)
    }
    return c, err
}

// ConnectorNoticeHandler returns the currently set notice handler, if any. If
// the given connector is not a result of ConnectorWithNoticeHandler, nil is
// returned.
func ConnectorNoticeHandler(c driver.Connector) func(*Error) {
    if c, ok := c.(*NoticeHandlerConnector); ok {
        return c.noticeHandler
    }
    return nil
}

// ConnectorWithNoticeHandler creates or sets the given handler for the given
// connector. If the given connector is a result of calling this function
// previously, it is simply set on the given connector and returned. Otherwise,
// this returns a new connector wrapping the given one and

```



```
    setting the notice
// handler. A nil notice handler may be used to unset it.
//
// The returned connector is intended to be used with database/sql.OpenDB.
//
// Note: Notice handlers are executed synchronously by pq meaning commands
// won't continue to be processed until the handler returns.
func ConnectorWithNoticeHandler(c driver.Connector, handler func(*Error) *NoticeHandlerConnector {
    if c, ok := c.(*NoticeHandlerConnector); ok {
        c.noticeHandler = handler
        return c
    }
    return &NoticeHandlerConnector{Connector: c, noticeHandler: handler}
}
Copyright (c) 2011-2013, 'pq' Contributors
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```

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1.118 nats-go 1.13.1-0.20211018182449-f2416a8b1483

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1.119 slf4j 1.7.36

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black  
maroon  
green  
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navy  
purple  
teal  
silver  
grey  
red  
lime  
yellow  
blue  
fuchsia  
aqua  
white  
grey0  
navyblue  
darkblue  
blue3  
blue3a  
blue1  
darkgreen  
deepskyblue4  
deepskyblue4a  
deepskyblue4b  
dodgerblue3  
dodgerblue2  
green4  
springgreen4  
turquoise4  
deepskyblue3  
deepskyblue3a  
dodgerblue1  
green3  
springgreen3  
darkcyan  
lightseagreen  
deepskyblue2  
deepskyblue1
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springgreen2
cyan3
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turquoise2
green1
springgreen2a
springgreen1
mediumspringgreen
cyan2
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purple3
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grey37
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steelblue
steelblue3
cornflowerblue
chartreuse3
darkseagreen4a
cadetblue
cadetbluea
skyblue3
steelblue1
chartreuse3a
palegreen3
seagreen3
aquamarine3
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steelblue1a
chartreuse2
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seagreen1a
aquamarine1
darkslategray2

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thistle3
plum2

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magenta1
orangered1
indianred1
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gold1
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lightgoldenrod2b
navajowhite1
mistyrose1
thistle1
yellow1
lightgoldenrod1
khaki1
wheat1
cornsilk1
grey100

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grey89
grey93

Found

in path(s):

* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/utils/colors.txt

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* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/utils/InfoCmp.java

* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/reader/Highlighter.java

* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/terminal/impl/AbstractPty.java

* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-

jar/org/jline/reader/impl/completer/ArgumentCompleter.java

* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/reader/Candidate.java

*

/opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/utils/Status.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/terminal/impl/AbstractWindowsTerminal.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/reader/impl/completer/StringsCompleter.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/builtins/Tmux.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/builtins/ConfigurationPath.java
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* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/widget/TailTipWidgets.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/console/impl/SystemHighlighter.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/console/impl/ConsoleEngineImpl.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/console/impl/SystemRegistryImpl.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/reader/impl/history/DefaultHistory.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/terminal/TerminalBuilder.java
*
/opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/builtins/Nano.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/builtins/Completers.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/console/ArgDesc.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/reader/impl/LineReaderImpl.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/terminal/impl/AbstractTerminal.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/reader/LineReader.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/reader/impl/DefaultHighlighter.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/builtins/Commands.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/console/Printer.java
*
/opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/console/SystemRegistry.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/console/impl/DefaultPrinter.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/reader/impl/CompletionMatcherImpl.java

* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/reader/PrintAboveWriter.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/builtins/TTop.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/Utils/AttributedCharSequence.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/Utils/AttributedStyle.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/builtins/Styles.java
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```
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/builtins/telnet/Connection.java
*
/opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-
jar/org/jline/builtins/telnet/ConnectionEvent.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-
jar/org/jline/builtins/telnet/ConnectionData.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/builtins/telnet/PortListener.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-
jar/org/jline/builtins/telnet/ConnectionManager.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/builtins/telnet/TelnetIO.java
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```
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-
jar/org/jline/terminal/impl/jna/solaris/SolarisNativePty.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/console/ScriptEngine.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/utils/ColorPalette.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-
jar/org/jline/terminal/impl/jansi/JansiNativePty.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/widget/Widgets.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/reader/Parser.java
*
/opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-
jar/org/jline/builtins/ConsoleOptionGetter.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/utils/Signals.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/console/CmdLine.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-
jar/org/jline/terminal/impl/jna/JnaNativePty.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-
jar/org/jline/widget/AutosuggestionWidgets.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-
jar/org/jline/terminal/impl/jansi/win/JansiWinSysTerminal.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/reader/impl/ReaderUtils.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/console/ConsoleEngine.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/console/impl/Builtins.java
*
/opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/builtins/Less.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/reader/impl/DefaultParser.java
```

* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/reader/LineReaderBuilder.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/console/CmdDesc.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/terminal/spi/JnaSupport.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/console/CommandRegistry.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/widget/AutopairWidgets.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/terminal/impl/jna/solaris/CLibrary.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/console/CommandMethods.java
*
/opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/reader/CompletionMatcher.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/utils/Log.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/terminal/impl/jna/win/JnaWinSysTerminal.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/console/impl/AbstractCommandRegistry.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/terminal/impl/jna/osx/CLibrary.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/reader/EndOfFileException.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/terminal/spi/JansiSupport.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/terminal/spi/Display.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/terminal/impl/jna/freebsd/CLibrary.java
*
/opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/terminal/impl/jna/linux/CLibrary.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/terminal/impl/jna/freebsd/FreeBsdNativePty.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/terminal/impl/jna/linux/LinuxNativePty.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/console/impl/JlineCommandRegistry.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/terminal/impl/jna/JnaSupportImpl.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/terminal/impl/jna/osx/OsXNativePty.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/console/CommandInput.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/reader/impl/completer/SystemCompleter.java
*
/opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/terminal/impl/jansi/JansiSupportImpl.java
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* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/utils/NonBlocking.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/style/Style.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/utils/StyleResolver.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/reader/ParsedLine.java
*
/opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/utils/Curses.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/reader/CompletingParsedLine.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/builtins/InputRC.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/terminal/impl/jna/win/Kernel32.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/utils/NonBlockingReaderImpl.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/reader/impl/KillRing.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/builtins/NfaMatcher.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/keymap/BindingReader.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/terminal/Size.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/reader/History.java
*
/opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/reader/Completer.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/terminal/impl/PosixPtyTerminal.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/style/StyleExpression.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/utils/NonBlockingReader.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/terminal/impl/ExternalTerminal.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/utils/AttributedStringBuilder.java

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* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/META-INF/maven/org.jline/jline-terminal/pom.xml
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/META-INF/maven/org.jline/jline-remote-ssh/pom.xml
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/META-INF/maven/org.jline/jline-terminal-jansi/pom.xml
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/META-INF/maven/org.jline/jline-style/pom.xml
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/META-INF/maven/org.jline/jline-builtins/pom.xml
*
/opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/META-INF/maven/org.jline/jline-terminal-jna/pom.xml
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/META-INF/maven/org.jline/jline-remote-telnet/pom.xml
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/META-INF/maven/org.jline/jline-reader/pom.xml
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* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/builtins/telnet/ConnectionListener.java

*

/opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/builtins/telnet/ConnectionFilter.java

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* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/reader/EOFError.java

*

/opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/reader/SyntaxError.java

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#

auto_left_margin, bw, bw

auto_right_margin, am, am

back_color_erase, bce, ut

can_change, ccc, cc

ceol_standout_glitch, xhp, xs

col_addr_glitch, xhpa, YA
cpi_changes_res, cpix, YF
cr_cancels_micro_mode, crxm, YB
dest_tabs_magic_smso, xt, xt
eat_newline_glitch, xenl, xn
erase_overstrike, eo, eo
generic_type, gn, gn
hard_copy, hc, hc
hard_cursor, chts, HC
has_meta_key, km, km
has_print_wheel, daisy, YC
has_status_line, hs, hs
hue_lightness_saturation, hls, hl
insert_null_glitch, in, in
lpi_changes_res, lpix, YG
memory_above, da, da
memory_below, db, db
move_insert_mode, mir, mi
move_standout_mode, msgr, ms
needs_xon_xoff, nxon, nx
no_esc_ctlc, xsb, xb
no_pad_char, npc,
NP
non_dest_scroll_region, ndscr, ND
non_rev_rmcup, nrrmc, NR
over_strike, os, os
prtr_silent, mc5i, 5i
row_addr_glitch, xvpa, YD
semi_auto_right_margin, sam, YE
status_line_esc_ok, eslok, es
tilde_glitch, hz, hz
transparent_underline, ul, ul
xon_xoff, xon, xo
columns, cols, co
init_tabs, it, it
label_height, lh, lh
label_width, lw, lw
lines, lines, li
lines_of_memory, lm, lm
magic_cookie_glitch, xmc, sg
max_attributes, ma, ma
max_colors, colors, Co
max_pairs, pairs, pa
maximum_windows, wnum, MW
no_color_video, ncv, NC
num_labels, nlab, Nl
padding_baud_rate, pb, pb
virtual_terminal, vt, vt

width_status_line, wsl, ws
bit_image_entwining, bitwin, Yo
bit_image_type, bitype, Yp
buffer_capacity, bufisz, Ya
buttons, btns, BT
dot_horz_spacing, spinh, Yc
dot_vert_spacing, spinv, Yb
max_micro_address, maddr, Yd
max_micro_jump, mjump, Ye
micro_col_size, mcs, Yf
micro_line_size, mls, Yg
number_of_pins, npins, Yh
output_res_char, orc, Yi
output_res_horz_inch, orhi, Yk
output_res_line, orl, Yj
output_res_vert_inch,
orvi, Yl
print_rate, cps, Ym
wide_char_size, widcs, Yn
acs_chars, acsc, ac
back_tab, cbt, bt
bell, bel, bl
carriage_return, cr, cr
change_char_pitch, cpi, ZA
change_line_pitch, lpi, ZB
change_res_horz, chr, ZC
change_res_vert, cvr, ZD
change_scroll_region, csr, cs
char_padding, rmp, rP
clear_all_tabs, tbc, ct
clear_margins, mgc, MC
clear_screen, clear, cl
clr_bol, el1, cb
clr_eol, el, ce
clr_eos, ed, cd
column_address, hpa, ch
command_character, cmdch, CC
create_window, cwin, CW
cursor_address, cup, cm
cursor_down, cud1, do
cursor_home, home, ho
cursor_invisible, civis, vi
cursor_left, cub1, le
cursor_mem_address, mrcup, CM
cursor_normal, cnorm, ve
cursor_right, cuf1, nd
cursor_to_ll, ll, ll
cursor_up, cuu1, up

cursor_visible, cvvis, vs
define_char, defc, ZE
delete_character, dch1, dc
delete_line, dl1, dl
dial_phone, dial, DI
dis_status_line, dsl, ds
display_clock, dclk, DK
down_half_line, hd, hd
ena_acs, enacs, eA
enter_alt_charset_mode, smacs, as
enter_am_mode, smam,
SA
enter_blink_mode, blink, mb
enter_bold_mode, bold, md
enter_ca_mode, smcup, ti
enter_delete_mode, smdc, dm
enter_dim_mode, dim, mh
enter_doublewide_mode, swidm, ZF
enter_draft_quality, sdrfq, ZG
enter_insert_mode, smir, im
enter_italics_mode, sitm, ZH
enter_leftward_mode, slm, ZI
enter_micro_mode, smicm, ZJ
enter_near_letter_quality, snlq, ZK
enter_normal_quality, snrmq, ZL
enter_protected_mode, prot, mp
enter_reverse_mode, rev, mr
enter_secure_mode, invis, mk
enter_shadow_mode, sshm, ZM
enter_standout_mode, smso, so
enter_subscript_mode, ssubm, ZN
enter_superscript_mode, ssupm, ZO
enter_underline_mode, smul, us
enter_upward_mode, sum, ZP
enter_xon_mode, smxon, SX
erase_chars, ech, ec
exit_alt_charset_mode, rmacs, ae
exit_am_mode, rmam, RA
exit_attribute_mode, sgr0, me
exit_ca_mode, rmcup, te
exit_delete_mode, rmdc, ed
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exit_insert_mode, rmir, ei
exit_italics_mode, ritm, ZR
exit_leftward_mode, rlm, ZS
exit_micro_mode, rmicm, ZT
exit_shadow_mode, rshm,

ZU

exit_standout_mode, rmso, se
exit_subscript_mode, rsubm, ZV
exit_superscript_mode, rsupm, ZW
exit_underline_mode, rmul, ue
exit_upward_mode, rum, ZX
exit_xon_mode, rmxon, RX
fixed_pause, pause, PA
flash_hook, hook, fh
flash_screen, flash, vb
form_feed, ff, ff
from_status_line, fsl, fs
goto_window, wingo, WG
hangup, hup, HU
init_1string, is1, i1
init_2string, is2, is
init_3string, is3, i3
init_file, if, if
init_prog, iprog, iP
initialize_color, initc, Ic
initialize_pair, initp, Ip
insert_character, ich1, ic
insert_line, il1, al
insert_padding, ip, ip
key_a1, ka1, K1
key_a3, ka3, K3
key_b2, kb2, K2
key_backspace, kbs, kb
key_beg, kbeg, @1
key_btab, kcbt, kB
key_c1, kc1, K4
key_c3, kc3, K5
key_cancel, kcan, @2
key_catab, ktbc, ka
key_clear, kclr, kC
key_close, kclo, @3
key_command, kcmd, @4
key_copy, kcpy, @5
key_create, kcrt, @6
key_ctab, kctab, kt
key_dc, kdch1, kD
key_dl, kdl1, kL
key_down, kcud1, kd
key_eic, krmir, kM
key_end, kend, @7
key_enter, kent, @8
key_eol, kel, kE
key_eos,

ked, kS
key_exit, kext, @9
key_f0, kf0, k0
key_f1, kf1, k1
key_f10, kf10, k;
key_f11, kf11, F1
key_f12, kf12, F2
key_f13, kf13, F3
key_f14, kf14, F4
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key_f20, kf20, FA
key_f21, kf21, FB
key_f22, kf22, FC
key_f23, kf23, FD
key_f24, kf24, FE
key_f25, kf25, FF
key_f26, kf26, FG
key_f27, kf27, FH
key_f28, kf28, FI
key_f29, kf29, FJ
key_f3, kf3, k3
key_f30, kf30, FK
key_f31, kf31, FL
key_f32, kf32, FM
key_f33, kf33, FN
key_f34, kf34, FO
key_f35, kf35, FP
key_f36, kf36, FQ
key_f37, kf37, FR
key_f38, kf38, FS
key_f39, kf39, FT
key_f4, kf4, k4
key_f40, kf40, FU
key_f41, kf41, FV
key_f42, kf42, FW
key_f43, kf43, FX
key_f44, kf44, FY
key_f45, kf45, FZ
key_f46, kf46, Fa
key_f47, kf47, Fb
key_f48, kf48, Fc
key_f49, kf49, Fd
key_f5, kf5, k5

key_f50, kf50, Fe
key_f51, kf51, Ff
key_f52, kf52, Fg
key_f53, kf53, Fh
key_f54, kf54, Fi
key_f55, kf55, Fj
key_f56, kf56, Fk
key_f57, kf57, Fl
key_f58, kf58,
Fm
key_f59, kf59, Fn
key_f6, kf6, k6
key_f60, kf60, Fo
key_f61, kf61, Fp
key_f62, kf62, Fq
key_f63, kf63, Fr
key_f7, kf7, k7
key_f8, kf8, k8
key_f9, kf9, k9
key_find, kfnd, @0
key_help, khlp, %1
key_home, khome, kh
key_ic, kich1, kI
key_il, kill, kA
key_left, kcub1, kI
key_ll, kll, kH
key_mark, kmrk, %2
key_message, kmsg, %3
key_move, kmov, %4
key_next, knxt, %5
key_npage, knp, kN
key_open, kopn, %6
key_options, kopt, %7
key_ppage, kpp, kP
key_previous, kprv, %8
key_print, kprt, %9
key_redo, krdo, %0
key_reference, kref, &1
key_refresh, krfr, &2
key_replace, krpl, &3
key_restart, krst, &4
key_resume, kres, &5
key_right, kcuf1, kr
key_save, ksav, &6
key_sbeg, kBEG, &9
key_scancel, kCAN, &0
key_scommand, kCMD, *1
key_scopy, kCPY, *2

key_screate, kCRT, *3
key_sdc, kDC, *4
key_sdl, kDL, *5
key_select, kslt, *6
key_send, kEND, *7
key_seol, kEOL, *8
key_sexit, kEXT, *9
key_sf, kind, kF
key_sfind, kFND, *0
key_shelp, kHLP, #1
key_shome, kHOM, #2
key_sic, kIC, #3
key_sleft, kLFT, #4
key_smessage,
kMSG, %a
key_smove, kMOV, %b
key_snext, kNXT, %c
key_soptions, kOPT, %d
key_sprevious, kPRV, %e
key_sprint, kPRT, %f
key_sr, kri, kR
key_sredo, kRDO, %g
key_sreplace, kRPL, %h
key_sright, kRIT, %i
key_srsume, kRES, %j
key_ssave, kSAV, !1
key_ssuspend, kSPD, !2
key_stab, khts, kT
key_sundo, kUND, !3
key_suspend, kspd, &7
key_undo, kund, &8
key_up, kcuu1, ku
keypad_local, rmkx, ke
keypad_xmit, smkx, ks
lab_f0, lf0, l0
lab_f1, lf1, l1
lab_f10, lf10, la
lab_f2, lf2, l2
lab_f3, lf3, l3
lab_f4, lf4, l4
lab_f5, lf5, l5
lab_f6, lf6, l6
lab_f7, lf7, l7
lab_f8, lf8, l8
lab_f9, lf9, l9
label_format, fln, Lf
label_off, rmln, LF
label_on, smln, LO

meta_off, rmm, mo
meta_on, smm, mm
micro_column_address, mhpa, ZY
micro_down, mcud1, ZZ
micro_left, mcub1, Za
micro_right, mcuf1, Zb
micro_row_address, mvpa, Zc
micro_up, mcpu1, Zd
newline, nel, nw
order_of_pins, porder, Ze
orig_colors, oc, oc
orig_pair, op, op
pad_char, pad, pc
parm_dch, dch, DC
parm_delete_line, dl, DL
parm_down_cursor, cud, DO
parm_down_micro,
mcud, Zf
parm_ich, ich, IC
parm_index, indn, SF
parm_insert_line, il, AL
parm_left_cursor, cub, LE
parm_left_micro, mcub, Zg
parm_right_cursor, cuf, RI
parm_right_micro, mcuf, Zh
parm_rindex, rin, SR
parm_up_cursor, cuu, UP
parm_up_micro, mcpu, Zi
pkey_key, pkey, pk
pkey_local, pfloc, pl
pkey_xmit, pfx, px
plab_norm, pln, pn
print_screen, mc0, ps
prtr_non, mc5p, pO
prtr_off, mc4, pf
prtr_on, mc5, po
pulse, pulse, PU
quick_dial, qdial, QD
remove_clock, rmclk, RC
repeat_char, rep, rp
req_for_input, rfi, RF
reset_1string, rs1, r1
reset_2string, rs2, r2
reset_3string, rs3, r3
reset_file, rf, rf
restore_cursor, rc, rc
row_address, vpa, cv
save_cursor, sc, sc

scroll_forward, ind, sf
scroll_reverse, ri, sr
select_char_set, scs, Zj
set_attributes, sgr, sa
set_background, setb, Sb
set_bottom_margin, smgb, Zk
set_bottom_margin_parm, smgbp, Zl
set_clock, sclk, SC
set_color_pair, scp, sp
set_foreground, setf, Sf
set_left_margin, smgl, ML
set_left_margin_parm, smglp, Zm
set_right_margin,
smgr, MR
set_right_margin_parm, smgrp, Zn
set_tab, hts, st
set_top_margin, smgt, Zo
set_top_margin_parm, smgtp, Zp
set_window, wind, wi
start_bit_image, sbim, Zq
start_char_set_def, scsd, Zr
stop_bit_image, rbim, Zs
stop_char_set_def, rcsd, Zt
subscript_characters, subcs, Zu
superscript_characters, supcs, Zv
tab, ht, ta
these_cause_cr, docr, Zw
to_status_line, tsl, ts
tone, tone, TO
underline_char, uc, uc
up_half_line, hu, hu
user0, u0, u0
user1, u1, u1
user2, u2, u2
user3, u3, u3
user4, u4, u4
user5, u5, u5
user6, u6, u6
user7, u7, u7
user8, u8, u8
user9, u9, u9
wait_tone, wait, WA
xoff_character, xoffc, XF
xon_character, xonc, XN
zero_motion, zerom, Zx
alt_scancode_esc, scesa, S8
bit_image_carriage_return, bicr, Yv
bit_image_newline, binel, Zz

bit_image_repeat, birep, Xy
char_set_names, csnm, Zy
code_set_init, csin, ci
color_names, colorm, Yw
define_bit_image_region, defbi, Yx
device_type, devt, dv
display_pc_char, disp, S1
end_bit_image_region, endbi, Yy
enter_pc_charset_mode,
 smpch, S2
enter_scancode_mode, smsc, S4
exit_pc_charset_mode, rmpch, S3
exit_scancode_mode, rmsc, S5
get_mouse, getm, Gm
key_mouse, kmous, Km
mouse_info, minfo, Mi
pc_term_options, pctrm, S6
pkey_plab, pfxl, xl
req_mouse_pos, reqmp, RQ
scancode_escape, scesc, S7
set0_des_seq, s0ds, s0
set1_des_seq, s1ds, s1
set2_des_seq, s2ds, s2
set3_des_seq, s3ds, s3
set_a_background, setab, AB
set_a_foreground, setaf, AF
set_color_band, setcolor, Yz
set_lr_margin, smglr, ML
set_page_length, slines, YZ
set_tb_margin, smgtb, MT
enter_horizontal_hl_mode, ehhl, Xh
enter_left_hl_mode, elhl, Xl
enter_low_hl_mode, elohl, Xo
enter_right_hl_mode, erhl, Xr
enter_top_hl_mode, ethl, Xt
enter_vertical_hl_mode, evhl, Xv
set_a_attributes, sgr1, sA
set_pglen_inch, slength, sL

Found in path(s):

* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/Utils/capabilities.txt

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Found in path(s):

```
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/builtins/Options.java
```

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```
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/builtins/telnet/Telnet.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/reader/Buffer.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-
jar/org/jline/terminal/impl/jansi/osx/OsXNativePty.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-
jar/org/jline/terminal/impl/jansi/freebsd/FreeBsdNativePty.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/style/StyleColor.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/builtins/ssh/Ssh.java
*
/opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/reader/impl/BufferImpl.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-
```

```

jar/org/jline/terminal/impl/jna/win/JnaWinConsoleWriter.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/style/InterpolationHelper.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/style/StyleResolver.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/style/StyledWriter.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-
jar/org/jline/terminal/impl/AbstractWindowsConsoleWriter.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-
jar/org/jline/terminal/impl/jansi/solaris/SolarisNativePty.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/style/StyleBundle.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/style/MemoryStyleSource.java
*
/opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-
jar/org/jline/terminal/impl/jansi/linux/LinuxNativePty.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-
jar/org/jline/utils/NonBlockingPumpReader.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/utils/PumpReader.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/utils/WriterOutputStream.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/style/NopStyleSource.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-
jar/org/jline/utils/NonBlockingPumpInputStream.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-
jar/org/jline/builtins/ssh/ShellFactoryImpl.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-
jar/org/jline/style/StyleBundleInvocationHandler.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-
jar/org/jline/builtins/ssh/ShellCommand.java
*
/opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-
jar/org/jline/terminal/impl/jansi/win/JansiWinConsoleWriter.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-
jar/org/jline/reader/impl/SimpleMaskingCallback.java
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```

* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-
jar/org/jline/reader/impl/completer/package-info.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-
jar/org/jline/terminal/impl/MouseSupport.java
* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/reader/Reference.java

```

* /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/reader/Macro.java
 * /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/terminal/impl/ExecPty.java
 * /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/keymap/KeyMap.java
 *
 /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/terminal/MouseEvent.java
 * /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/reader/package-info.java
 * /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-
 jar/org/jline/terminal/impl/CursorSupport.java
 * /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/utils/DiffHelper.java
 * /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/utils/ExecHelper.java
 * /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-
 jar/org/jline/reader/impl/completer/NullCompleter.java
 * /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/utils/package-info.java
 * /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/terminal/Cursor.java
 * /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/terminal/impl/package-
 info.java
 * /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/utils/ClosedException.java
 *
 /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/utils/ShutdownHooks.java
 * /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/reader/Widget.java
 * /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/reader/Binding.java
 * /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/terminal/impl/OSUtils.java
 * /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/terminal/impl/WCWidth.java
 * /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-
 jar/org/jline/reader/impl/DefaultExpander.java
 * /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/reader/impl/UndoTree.java
 * /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/terminal/impl/AttributedString.java
 * /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/terminal/impl/Attributes.java
 *
 /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/terminal/impl/Levenshtein.java
 * /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-
 jar/org/jline/reader/impl/completer/EnumCompleter.java
 * /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/builtins/Source.java
 * /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-
 jar/org/jline/reader/UserInterruptException.java
 * /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-
 jar/org/jline/terminal/impl/jna/win/WindowsAnsiWriter.java
 * /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-
 jar/org/jline/terminal/impl/NativeSignalHandler.java
 * /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/terminal/spi/Pty.java
 * /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-
 jar/org/jline/terminal/impl/AbstractPosixTerminal.java
 * /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/terminal/impl/InputStreamReader.java
 *
 /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/reader/Expander.java
 * /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-
 jar/org/jline/reader/impl/completer/AggregateCompleter.java
 * /opt/cola/permits/1300661557_1649159166.41/0/jline-3-21-0-sources-jar/org/jline/reader/impl/history/package-

1.121 asm 9.3

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jar/org/objectweb/asm/ClassTooLargeException.java
* /opt/cola/permits/1312150600_1650468744.15/0/asm-9-3-sources-jar/org/objectweb/asm/AnnotationWriter.java
*
/opt/cola/permits/1312150600_1650468744.15/0/asm-9-3-sources-jar/org/objectweb/asm/Attribute.java
* /opt/cola/permits/1312150600_1650468744.15/0/asm-9-3-sources-jar/org/objectweb/asm/ClassReader.java
* /opt/cola/permits/1312150600_1650468744.15/0/asm-9-3-sources-jar/org/objectweb/asm/Edge.java
* /opt/cola/permits/1312150600_1650468744.15/0/asm-9-3-sources-
jar/org/objectweb/asm/MethodTooLargeException.java
* /opt/cola/permits/1312150600_1650468744.15/0/asm-9-3-sources-jar/org/objectweb/asm/ConstantDynamic.java
* /opt/cola/permits/1312150600_1650468744.15/0/asm-9-3-sources-jar/org/objectweb/asm/ClassWriter.java
* /opt/cola/permits/1312150600_1650468744.15/0/asm-9-3-sources-jar/org/objectweb/asm/Opcodes.java
* /opt/cola/permits/1312150600_1650468744.15/0/asm-9-3-sources-jar/org/objectweb/asm/TypePath.java
* /opt/cola/permits/1312150600_1650468744.15/0/asm-9-3-sources-jar/org/objectweb/asm/MethodVisitor.java
*
/opt/cola/permits/1312150600_1650468744.15/0/asm-9-3-sources-jar/org/objectweb/asm/Handle.java
* /opt/cola/permits/1312150600_1650468744.15/0/asm-9-3-sources-jar/org/objectweb/asm/SymbolTable.java
* /opt/cola/permits/1312150600_1650468744.15/0/asm-9-3-sources-jar/org/objectweb/asm/Constants.java
* /opt/cola/permits/1312150600_1650468744.15/0/asm-9-3-sources-jar/org/objectweb/asm/TypeReference.java
* /opt/cola/permits/1312150600_1650468744.15/0/asm-9-3-sources-jar/org/objectweb/asm/MethodWriter.java
* /opt/cola/permits/1312150600_1650468744.15/0/asm-9-3-sources-jar/org/objectweb/asm/CurrentFrame.java
* /opt/cola/permits/1312150600_1650468744.15/0/asm-9-3-sources-jar/org/objectweb/asm/Context.java
* /opt/cola/permits/1312150600_1650468744.15/0/asm-9-3-sources-
jar/org/objectweb/asm/RecordComponentVisitor.java
* /opt/cola/permits/1312150600_1650468744.15/0/asm-9-3-sources-jar/org/objectweb/asm/FieldWriter.java
* /opt/cola/permits/1312150600_1650468744.15/0/asm-9-3-sources-jar/org/objectweb/asm/Label.java
*
/opt/cola/permits/1312150600_1650468744.15/0/asm-9-3-sources-jar/org/objectweb/asm/Type.java
* /opt/cola/permits/1312150600_1650468744.15/0/asm-9-3-sources-
jar/org/objectweb/asm/signature/SignatureReader.java
* /opt/cola/permits/1312150600_1650468744.15/0/asm-9-3-sources-
jar/org/objectweb/asm/RecordComponentWriter.java
* /opt/cola/permits/1312150600_1650468744.15/0/asm-9-3-sources-jar/org/objectweb/asm/ModuleWriter.java
* /opt/cola/permits/1312150600_1650468744.15/0/asm-9-3-sources-jar/org/objectweb/asm/Symbol.java
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jar/org/objectweb/asm/signature/SignatureWriter.java
* /opt/cola/permits/1312150600_1650468744.15/0/asm-9-3-sources-jar/org/objectweb/asm/Frame.java
* /opt/cola/permits/1312150600_1650468744.15/0/asm-9-3-sources-jar/org/objectweb/asm/ModuleVisitor.java
* /opt/cola/permits/1312150600_1650468744.15/0/asm-9-3-sources-jar/org/objectweb/asm/ByteVector.java
*
```

/opt/cola/permits/1312150600_1650468744.15/0/asm-9-3-sources-jar/org/objectweb/asm/FieldVisitor.java
* /opt/cola/permits/1312150600_1650468744.15/0/asm-9-3-sources-jar/org/objectweb/asm/AnnotationVisitor.java
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1.122 failsafe 2.4.4

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* /opt/cola/permits/1315106619_1650870859.95/0/failsafe-2-4-4-sources-1-jar/net/jodah/failsafe/Policy.java
* /opt/cola/permits/1315106619_1650870859.95/0/failsafe-2-4-4-sources-1-jar/net/jodah/failsafe/CircuitBreakerExecutor.java

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* /opt/cola/permits/1315106619_1650870859.95/0/failsafe-2-4-4-sources-1-jar/net/jodah/failsafe/internal/CountingCircuitStats.java
* /opt/cola/permits/1315106619_1650870859.95/0/failsafe-2-4-4-sources-1-jar/net/jodah/failsafe/FailurePolicy.java
* /opt/cola/permits/1315106619_1650870859.95/0/failsafe-2-4-4-sources-1-jar/net/jodah/failsafe/event/ExecutionCompletedEvent.java
* /opt/cola/permits/1315106619_1650870859.95/0/failsafe-2-4-4-sources-1-jar/net/jodah/failsafe/TimeoutExecutor.java
* /opt/cola/permits/1315106619_1650870859.95/0/failsafe-2-4-4-sources-1-jar/net/jodah/failsafe/RetryPolicyExecutor.java
* /opt/cola/permits/1315106619_1650870859.95/0/failsafe-2-4-4-sources-1-jar/net/jodah/failsafe/internal/EventListener.java

*
/opt/cola/permits/1315106619_1650870859.95/0/failsafe-2-4-4-sources-1-jar/net/jodah/failsafe/PolicyExecutor.java
* /opt/cola/permits/1315106619_1650870859.95/0/failsafe-2-4-4-sources-1-jar/net/jodah/failsafe/internal/util/RandomDelay.java
* /opt/cola/permits/1315106619_1650870859.95/0/failsafe-2-4-4-sources-1-jar/net/jodah/failsafe/ExecutionResult.java
* /opt/cola/permits/1315106619_1650870859.95/0/failsafe-2-4-4-sources-1-jar/net/jodah/failsafe/internal/util/DelegatingScheduler.java
* /opt/cola/permits/1315106619_1650870859.95/0/failsafe-2-4-4-sources-1-jar/net/jodah/failsafe/internal/TimedCircuitStats.java
* /opt/cola/permits/1315106619_1650870859.95/0/failsafe-2-4-4-sources-1-jar/net/jodah/failsafe/internal/CircuitStats.java
* /opt/cola/permits/1315106619_1650870859.95/0/failsafe-2-4-4-sources-1-jar/net/jodah/failsafe/event/ExecutionAttemptedEvent.java
* /opt/cola/permits/1315106619_1650870859.95/0/failsafe-2-4-4-sources-1-jar/net/jodah/failsafe/event/ExecutionEvent.java

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* /opt/cola/permits/1315106619_1650870859.95/0/failsafe-2-4-4-sources-1-jar/net/jodah/failsafe/Failsafe.java

*

/opt/cola/permits/1315106619_1650870859.95/0/failsafe-2-4-4-sources-1-jar/net/jodah/failsafe/util/concurrent/DefaultScheduledFuture.java

* /opt/cola/permits/1315106619_1650870859.95/0/failsafe-2-4-4-sources-1-jar/net/jodah/failsafe/AbstractExecution.java

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* /opt/cola/permits/1315106619_1650870859.95/0/failsafe-2-4-4-sources-1-
jar/net/jodah/failsafe/FailsafeExecutor.java
* /opt/cola/permits/1315106619_1650870859.95/0/failsafe-2-4-4-sources-1-
jar/net/jodah/failsafe/function/ContextualSupplier.java
* /opt/cola/permits/1315106619_1650870859.95/0/failsafe-2-4-4-sources-1-
jar/net/jodah/failsafe/function/AsyncRunnable.java
* /opt/cola/permits/1315106619_1650870859.95/0/failsafe-2-4-4-sources-1-
jar/net/jodah/failsafe/function/CheckedRunnable.java
* /opt/cola/permits/1315106619_1650870859.95/0/failsafe-2-4-4-sources-1-
jar/net/jodah/failsafe/AsyncExecution.java
* /opt/cola/permits/1315106619_1650870859.95/0/failsafe-2-4-4-sources-1-
jar/net/jodah/failsafe/internal/OpenState.java
*
/opt/cola/permits/1315106619_1650870859.95/0/failsafe-2-4-4-sources-1-
jar/net/jodah/failsafe/function/CheckedSupplier.java
* /opt/cola/permits/1315106619_1650870859.95/0/failsafe-2-4-4-sources-1-
jar/net/jodah/failsafe/ExecutionContext.java
* /opt/cola/permits/1315106619_1650870859.95/0/failsafe-2-4-4-sources-1-jar/net/jodah/failsafe/Functions.java
* /opt/cola/permits/1315106619_1650870859.95/0/failsafe-2-4-4-sources-1-
jar/net/jodah/failsafe/internal/HalfOpenState.java
* /opt/cola/permits/1315106619_1650870859.95/0/failsafe-2-4-4-sources-1-
jar/net/jodah/failsafe/CircuitBreakerOpenException.java
* /opt/cola/permits/1315106619_1650870859.95/0/failsafe-2-4-4-sources-1-jar/net/jodah/failsafe/Execution.java
* /opt/cola/permits/1315106619_1650870859.95/0/failsafe-2-4-4-sources-1-
jar/net/jodah/failsafe/function/AsyncSupplier.java
* /opt/cola/permits/1315106619_1650870859.95/0/failsafe-2-4-4-sources-1-
jar/net/jodah/failsafe/internal/CircuitBreakerInternals.java
* /opt/cola/permits/1315106619_1650870859.95/0/failsafe-2-4-4-sources-1-jar/net/jodah/failsafe/FailsafeFuture.java
*
/opt/cola/permits/1315106619_1650870859.95/0/failsafe-2-4-4-sources-1-jar/net/jodah/failsafe/CircuitBreaker.java

```

1.123 jinja2 3.1.2

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1.124 hikaricp 5.0.1

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jar/com/zaxxer/hikari/pool/ProxyConnection.java
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* /opt/cola/permits/1322130364_1651777329.29/0/hikaricp-5-0-1-sources-
jar/com/zaxxer/hikari/metrics/prometheus/HikariCPCollector.java
* /opt/cola/permits/1322130364_1651777329.29/0/hikaricp-5-0-1-sources-
jar/com/zaxxer/hikari/util/DriverDataSource.java
*
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jar/com/zaxxer/hikari/metrics/MetricsTrackerFactory.java
* /opt/cola/permits/1322130364_1651777329.29/0/hikaricp-5-0-1-sources-
jar/com/zaxxer/hikari/metrics/dropwizard/CodaHaleMetricsTracker.java
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/opt/cola/permits/1322130364_1651777329.29/0/hikaricp-5-0-1-sources-
jar/com/zaxxer/hikari/metrics/MetricsTracker.java
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jar/com/zaxxer/hikari/metrics/prometheus/PrometheusHistogramMetricsTracker.java

* /opt/cola/permits/1322130364_1651777329.29/0/hikaricp-5-0-1-sources-jar/com/zaxxer/hikari/util/UtilityElf.java

* /opt/cola/permits/1322130364_1651777329.29/0/hikaricp-5-0-1-sources-

jar/com/zaxxer/hikari/hibernate/HikariConfigurationUtil.java

*

/opt/cola/permits/1322130364_1651777329.29/0/hikaricp-5-0-1-sources-

jar/com/zaxxer/hikari/HikariPoolMXBean.java

* /opt/cola/permits/1322130364_1651777329.29/0/hikaricp-5-0-1-sources-

jar/com/zaxxer/hikari/metrics/dropwizard/CodahaleMetricsTrackerFactory.java

* /opt/cola/permits/1322130364_1651777329.29/0/hikaricp-5-0-1-sources-

jar/com/zaxxer/hikari/pool/ProxyStatement.java

* /opt/cola/permits/1322130364_1651777329.29/0/hikaricp-5-0-1-sources-

jar/com/zaxxer/hikari/HikariConfigMXBean.java

```
* /opt/cola/permits/1322130364_1651777329.29/0/hikaricp-5-0-1-sources-
jar/com/zaxxer/hikari/hibernate/HikariConnectionProvider.java
* /opt/cola/permits/1322130364_1651777329.29/0/hikaricp-5-0-1-sources-
jar/com/zaxxer/hikari/metrics/prometheus/PrometheusMetricsTracker.java
* /opt/cola/permits/1322130364_1651777329.29/0/hikaricp-5-0-1-sources-
jar/com/zaxxer/hikari/util/PropertyElf.java
* /opt/cola/permits/1322130364_1651777329.29/0/hikaricp-5-0-1-sources-
jar/com/zaxxer/hikari/HikariDataSource.java
```

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*
/opt/cola/permits/1322130364_1651777329.29/0/hikaricp-5-0-1-sources-
jar/com/zaxxer/hikari/pool/ProxyCallableStatement.java
* /opt/cola/permits/1322130364_1651777329.29/0/hikaricp-5-0-1-sources-
jar/com/zaxxer/hikari/pool/ProxyPreparedStatement.java
```

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jar/com/zaxxer/hikari/metrics/prometheus/PrometheusHistogramMetricsTrackerFactory.java
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jar/com/zaxxer/hikari/metrics/prometheus/PrometheusMetricsTrackerFactory.java

1.125 prometheus-client 1.12.1

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1.130 ion-java 1.0.2

1.130.1 Available under license :

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1.131 perfmark-api 0.25.0

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1.132 jline-terminal 3.21.0

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```

```
black  
maroon  
green  
olive  
navy  
purple  
teal  
silver  
grey  
red  
lime  
yellow
```

blue
fuchsia
aqua
white
grey0
navyblue
darkblue
blue3
blue3a
blue1
darkgreen
deepskyblue4
deepskyblue4a
deepskyblue4b
dodgerblue3
dodgerblue2
green4
springgreen4
turquoise4
deepskyblue3
deepskyblue3a
dodgerblue1
green3
springgreen3
darkcyan
lightseagreen
deepskyblue2
deepskyblue1
green3a
springgreen3a
springgreen2
cyan3
darkturquoise
turquoise2
green1
springgreen2a
springgreen1
mediumspringgreen
cyan2
cyan1
darkred
deeppink4
purple4
purple4a
purple3
blueviolet
orange4
grey37

mediumpurple4
slateblue3
slateblue3a
royalblue1
chartreuse4
darkseagreen4
paleturquoise4
steelblue
steelblue3
cornflowerblue
chartreuse3
darkseagreen4a
cadetblue
cadetbluea
skyblue3
steelblue1
chartreuse3a
palegreen3
seagreen3
aquamarine3
mediumturquoise
steelblue1a
chartreuse2
seagreen2
seagreen1
seagreen1a
aquamarine1
darkslategray2
darkreda
deeppink4a
darkmagenta
darkmagentaa
darkviolet
purplea
orange4a
lightpink4
plum4
mediumpurple3
mediumpurple3a
slateblue1
yellow4
wheat4
grey53
lightslategrey
mediumpurple
lightslateblue
yellow4a
darkolivegreen3

darkseagreen
lightskyblue3
lightskyblue3a
skyblue2
chartreuse2a
darkolivegreen3a
palegreen3a
darkseagreen3
darkslategray3
skyblue1
chartreuse1
lightgreen
lightgreena
palegreen1
aquamarine1a
darkslategray1
red3
deeppink4b
mediumvioletred
magenta3
darkvioleta
purpleb
darkorange3
indianred
hotpink3
mediumorchid3
mediumorchid
mediumpurple2
darkgoldenrod
lightsalmon3
rosybrown
grey63
mediumpurple2a
mediumpurple1
gold3
darkkhaki
navajowhite3
grey69
lightsteelblue3
lightsteelblue
yellow3
darkolivegreen3b
darkseagreen3a
darkseagreen2
lightcyan3
lightskyblue1
greenyellow
darkolivegreen2

palegreen1a
darkseagreen2a
darkseagreen1
paleturquoise1
red3a
deeppink3
deeppink3a
magenta3a
magenta3b
magenta2
darkorange3a
indianreda
hotpink3a
hotpink2
orchid
mediumorchid1
orange3
lightsalmon3a
lightpink3
pink3
plum3
violet
gold3a
lightgoldenrod3
tan
mistyrose3
thistle3
plum2
yellow3a
khaki3
lightgoldenrod2
lightyellow3
grey84
lightsteelblue1
yellow2
darkolivegreen1
darkolivegreen1a
darkseagreen1a
honeydew2
lightcyan1
red1
deeppink2
deeppink1
deeppink1a
magenta2a
magenta1
orangered1
indianred1

indianred1a
hotpink
hotpinka
mediumorchid1a
darkorange
salmon1
lightcoral
palevioletred1
orchid2
orchid1
orange1
sandybrown
lightsalmon1
lightpink1
pink1
plum1
gold1
lightgoldenrod2a
lightgoldenrod2b
navajowhite1
mistyrose1
thistle1
yellow1
lightgoldenrod1
khaki1
wheat1
cornsilk1
grey100
grey3
grey7
grey11
grey15
grey19
grey23
grey27
grey30
grey35
grey39
grey42
grey46
grey50
grey54
grey58
grey62
grey66
grey70
grey74
grey78

grey82
grey85
grey89
grey93

Found

in path(s):

* /opt/cola/permits/1337889613_1654234494.7314086/0/jline-terminal-3-21-0-sources-1-jar/org/jline/utils/colors.txt

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* /opt/cola/permits/1337889613_1654234494.7314086/0/jline-terminal-3-21-0-sources-1-jar/org/jline/utils/Signals.java

* /opt/cola/permits/1337889613_1654234494.7314086/0/jline-terminal-3-21-0-sources-1-jar/org/jline/utils/ColorPalette.java

* /opt/cola/permits/1337889613_1654234494.7314086/0/jline-terminal-3-21-0-sources-1-jar/org/jline/utils/Display.java

* /opt/cola/permits/1337889613_1654234494.7314086/0/jline-terminal-3-21-0-sources-1-jar/org/jline/terminal/spi/JansiSupport.java

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* /opt/cola/permits/1337889613_1654234494.7314086/0/jline-terminal-3-21-0-sources-1-jar/org/jline/utils/WriterOutputStream.java


```
* /opt/cola/permits/1337889613_1654234494.7314086/0/jline-terminal-3-21-0-sources-1-
jar/org/jline/Utils/Curses.java
* /opt/cola/permits/1337889613_1654234494.7314086/0/jline-terminal-3-21-0-sources-1-
jar/org/jline/Utils/AttributedStringBuilder.java
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* /opt/cola/permits/1337889613_1654234494.7314086/0/jline-terminal-3-21-0-sources-1-
jar/org/jline/Utils/AnsiWriter.java
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```

```
auto_left_margin, bw, bw
auto_right_margin, am, am
back_color_erase, bce, ut
can_change, ccc, cc
ceol_standout_glitch, xhp, xs
col_addr_glitch, xhpa, YA
cpi_changes_res, cpix, YF
cr_cancels_micro_mode, crxm, YB
dest_tabs_magic_sms0, xt, xt
eat_newline_glitch, xenl, xn
erase_overstrike, eo, eo
generic_type, gn, gn
```

hard_copy, hc, hc
hard_cursor, chts, HC
has_meta_key, km, km
has_print_wheel, daisy, YC
has_status_line, hs, hs
hue_lightness_saturation, hls, hl
insert_null_glitch, in, in
lpi_changes_res, lpix, YG
memory_above, da, da
memory_below, db, db
move_insert_mode, mir, mi
move_standout_mode, msgr, ms
needs_xon_xoff, nxon, nx
no_esc_ctlc, xsb, xb
no_pad_char, npc,
NP
non_dest_scroll_region, ndscr, ND
non_rev_rmcup, nrrmc, NR
over_strike, os, os
prtr_silent, mc5i, 5i
row_addr_glitch, xvpa, YD
semi_auto_right_margin, sam, YE
status_line_esc_ok, eslok, es
tilde_glitch, hz, hz
transparent_underline, ul, ul
xon_xoff, xon, xo
columns, cols, co
init_tabs, it, it
label_height, lh, lh
label_width, lw, lw
lines, lines, li
lines_of_memory, lm, lm
magic_cookie_glitch, xmc, sg
max_attributes, ma, ma
max_colors, colors, Co
max_pairs, pairs, pa
maximum_windows, wnum, MW
no_color_video, ncv, NC
num_labels, nlab, NI
padding_baud_rate, pb, pb
virtual_terminal, vt, vt
width_status_line, wsl, ws
bit_image_entwining, bitwin, Yo
bit_image_type, bitype, Yp
buffer_capacity, bufisz, Ya
buttons, btns, BT
dot_horz_spacing, spinh, Yc
dot_vert_spacing, spinv, Yb

max_micro_address, maddr, Yd
max_micro_jump, mjump, Ye
micro_col_size, mcs, Yf
micro_line_size, mls, Yg
number_of_pins, npins, Yh
output_res_char, orc, Yi
output_res_horz_inch, orhi, Yk
output_res_line, orl, Yj
output_res_vert_inch,
orvi, Yl
print_rate, cps, Ym
wide_char_size, widcs, Yn
acs_chars, acsc, ac
back_tab, cbt, bt
bell, bel, bl
carriage_return, cr, cr
change_char_pitch, cpi, ZA
change_line_pitch, lpi, ZB
change_res_horz, chr, ZC
change_res_vert, cvr, ZD
change_scroll_region, csr, cs
char_padding, rmp, rP
clear_all_tabs, tbc, ct
clear_margins, mgc, MC
clear_screen, clear, cl
clr_bol, e1l, cb
clr_eol, el, ce
clr_eos, ed, cd
column_address, hpa, ch
command_character, cmdch, CC
create_window, cwin, CW
cursor_address, cup, cm
cursor_down, cud1, do
cursor_home, home, ho
cursor_invisible, civis, vi
cursor_left, cub1, le
cursor_mem_address, mrcup, CM
cursor_normal, cnorm, ve
cursor_right, cuf1, nd
cursor_to_ll, ll, ll
cursor_up, cuu1, up
cursor_visible, cvvis, vs
define_char, defc, ZE
delete_character, dch1, dc
delete_line, dl1, dl
dial_phone, dial, DI
dis_status_line, dsl, ds
display_clock, dclk, DK

down_half_line, hd, hd
ena_acs, enacs, eA
enter_alt_charset_mode, smacs, as
enter_am_mode, smam,
SA
enter_blink_mode, blink, mb
enter_bold_mode, bold, md
enter_ca_mode, smcup, ti
enter_delete_mode, smdc, dm
enter_dim_mode, dim, mh
enter_doublewide_mode, swidm, ZF
enter_draft_quality, sdrfq, ZG
enter_insert_mode, smir, im
enter_italics_mode, sitm, ZH
enter_leftward_mode, slm, ZI
enter_micro_mode, smicm, ZJ
enter_near_letter_quality, snlq, ZK
enter_normal_quality, snrmq, ZL
enter_protected_mode, prot, mp
enter_reverse_mode, rev, mr
enter_secure_mode, invis, mk
enter_shadow_mode, sshm, ZM
enter_standout_mode, smso, so
enter_subscript_mode, ssubm, ZN
enter_superscript_mode, ssupm, ZO
enter_underline_mode, smul, us
enter_upward_mode, sum, ZP
enter_xon_mode, smxon, SX
erase_chars, ech, ec
exit_alt_charset_mode, rmacs, ae
exit_am_mode, rmam, RA
exit_attribute_mode, sgr0, me
exit_ca_mode, rmcup, te
exit_delete_mode, rmdc, ed
exit_doublewide_mode, rwidm, ZQ
exit_insert_mode, rmir, ei
exit_italics_mode, ritm, ZR
exit_leftward_mode, rlm, ZS
exit_micro_mode, rmicm, ZT
exit_shadow_mode, rshm,
ZU
exit_standout_mode, rmso, se
exit_subscript_mode, rsubm, ZV
exit_superscript_mode, rsupm, ZW
exit_underline_mode, rmul, ue
exit_upward_mode, rum, ZX
exit_xon_mode, rmxon, RX
fixed_pause, pause, PA

flash_hook, hook, fh
flash_screen, flash, vb
form_feed, ff, ff
from_status_line, fsl, fs
goto_window, wingo, WG
hangup, hup, HU
init_1string, is1, i1
init_2string, is2, is
init_3string, is3, i3
init_file, if, if
init_prog, iprog, iP
initialize_color, initc, Ic
initialize_pair, initp, Ip
insert_character, ich1, ic
insert_line, il1, al
insert_padding, ip, ip
key_a1, ka1, K1
key_a3, ka3, K3
key_b2, kb2, K2
key_backspace, kbs, kb
key_beg, kbeg, @1
key_btab, kcbt, kB
key_c1, kc1, K4
key_c3, kc3, K5
key_cancel, kcan, @2
key_catab, ktbc, ka
key_clear, kclr, kC
key_close, kclo, @3
key_command, kcmd, @4
key_copy, kcpy, @5
key_create, kcrt, @6
key_ctab, kctab, kt
key_dc, kdch1, kD
key_dl, kdl1, kL
key_down, kcud1, kd
key_eic, krmir, kM
key_end, kend, @7
key_enter, kent, @8
key_eol, kel, kE
key_eos,
ked, kS
key_exit, kext, @9
key_f0, kf0, k0
key_f1, kf1, k1
key_f10, kf10, k;
key_f11, kf11, F1
key_f12, kf12, F2
key_f13, kf13, F3

key_f14, kf14, F4
key_f15, kf15, F5
key_f16, kf16, F6
key_f17, kf17, F7
key_f18, kf18, F8
key_f19, kf19, F9
key_f2, kf2, k2
key_f20, kf20, FA
key_f21, kf21, FB
key_f22, kf22, FC
key_f23, kf23, FD
key_f24, kf24, FE
key_f25, kf25, FF
key_f26, kf26, FG
key_f27, kf27, FH
key_f28, kf28, FI
key_f29, kf29, FJ
key_f3, kf3, k3
key_f30, kf30, FK
key_f31, kf31, FL
key_f32, kf32, FM
key_f33, kf33, FN
key_f34, kf34, FO
key_f35, kf35, FP
key_f36, kf36, FQ
key_f37, kf37, FR
key_f38, kf38, FS
key_f39, kf39, FT
key_f4, kf4, k4
key_f40, kf40, FU
key_f41, kf41, FV
key_f42, kf42, FW
key_f43, kf43, FX
key_f44, kf44, FY
key_f45, kf45, FZ
key_f46, kf46, Fa
key_f47, kf47, Fb
key_f48, kf48, Fc
key_f49, kf49, Fd
key_f5, kf5, k5
key_f50, kf50, Fe
key_f51, kf51, Ff
key_f52, kf52, Fg
key_f53, kf53, Fh
key_f54, kf54, Fi
key_f55, kf55, Fj
key_f56, kf56, Fk
key_f57, kf57, Fl

key_f58, kf58,
Fm
key_f59, kf59, Fn
key_f6, kf6, k6
key_f60, kf60, Fo
key_f61, kf61, Fp
key_f62, kf62, Fq
key_f63, kf63, Fr
key_f7, kf7, k7
key_f8, kf8, k8
key_f9, kf9, k9
key_find, kfnd, @0
key_help, khlp, %1
key_home, khome, kh
key_ic, kich1, kI
key_il, kill, kA
key_left, kcub1, kI
key_ll, kll, kH
key_mark, kmrk, %2
key_message, kmsg, %3
key_move, kmov, %4
key_next, knxt, %5
key_npage, knp, kN
key_open, kopn, %6
key_options, kopt, %7
key_ppage, kpp, kP
key_previous, kprv, %8
key_print, kpri, %9
key_redo, krdo, %0
key_reference, kref, &1
key_refresh, krfr, &2
key_replace, krpl, &3
key_restart, krst, &4
key_resume, kres, &5
key_right, kcuf1, kr
key_save, ksav, &6
key_sbeg, kBEG, &9
key_scancel, kCAN, &0
key_scommand, kCMD, *1
key_scopy, kCPY, *2
key_screate, kCRT, *3
key_sdc, kDC, *4
key_sdl, kDL, *5
key_select, kslt, *6
key_send, kEND, *7
key_seol, kEOL, *8
key_sexit, kEXT, *9
key_sf, kind, kF

key_sfind, kFND, *0
key_shelp, kHLP, #1
key_shome, kHOM, #2
key_sic, kIC, #3
key_sleft, kLFT, #4
key_smessage,
kMSG, %a
key_smove, kMOV, %b
key_snext, kNXT, %c
key_soptions, kOPT, %d
key_sprevious, kPRV, %e
key_sprint, kPRT, %f
key_sr, kri, kR
key_sredo, kRDO, %g
key_sreplace, kRPL, %h
key_sright, kRIT, %i
key_srsume, kRES, %j
key_ssave, kSAV, !1
key_ssuspend, kSPD, !2
key_stab, khts, kT
key_sundo, kUND, !3
key_suspend, kspd, &7
key_undo, kund, &8
key_up, kcuu1, ku
keypad_local, rmkx, ke
keypad_xmit, smkx, ks
lab_f0, lf0, l0
lab_f1, lf1, l1
lab_f10, lf10, la
lab_f2, lf2, l2
lab_f3, lf3, l3
lab_f4, lf4, l4
lab_f5, lf5, l5
lab_f6, lf6, l6
lab_f7, lf7, l7
lab_f8, lf8, l8
lab_f9, lf9, l9
label_format, fln, Lf
label_off, rmln, LF
label_on, smln, LO
meta_off, rmm, mo
meta_on, smm, mm
micro_column_address, mhpa, ZY
micro_down, mcud1, ZZ
micro_left, mcub1, Za
micro_right, mcuf1, Zb
micro_row_address, mvpa, Zc
micro_up, mcuu1, Zd

newline, nel, nw
order_of_pins, porder, Ze
orig_colors, oc, oc
orig_pair, op, op
pad_char, pad, pc
parm_dch, dch, DC
parm_delete_line, dl, DL
parm_down_cursor, cud, DO
parm_down_micro,
 mcud, Zf
parm_ich, ich, IC
parm_index, indn, SF
parm_insert_line, il, AL
parm_left_cursor, cub, LE
parm_left_micro, mcub, Zg
parm_right_cursor, cuf, RI
parm_right_micro, mcuf, Zh
parm_rindex, rin, SR
parm_up_cursor, cuu, UP
parm_up_micro, mcuu, Zi
pkey_key, pkey, pk
pkey_local, pfloc, pl
pkey_xmit, pfx, px
plab_norm, pln, pn
print_screen, mc0, ps
prtr_non, mc5p, pO
prtr_off, mc4, pf
prtr_on, mc5, po
pulse, pulse, PU
quick_dial, qdial, QD
remove_clock, rmclk, RC
repeat_char, rep, rp
req_for_input, rfi, RF
reset_1string, rs1, r1
reset_2string, rs2, r2
reset_3string, rs3, r3
reset_file, rf, rf
restore_cursor, rc, rc
row_address, vpa, cv
save_cursor, sc, sc
scroll_forward, ind, sf
scroll_reverse, ri, sr
select_char_set, scs, Zj
set_attributes, sgr, sa
set_background, setb, Sb
set_bottom_margin, smgb, Zk
set_bottom_margin_parm, smgbp, Zl
set_clock, sclk, SC

set_color_pair, scp, sp
set_foreground, setf, Sf
set_left_margin, smgl, ML
set_left_margin_parm, smglp, Zm
set_right_margin,
smgr, MR
set_right_margin_parm, smgrp, Zn
set_tab, hts, st
set_top_margin, smgt, Zo
set_top_margin_parm, smgtp, Zp
set_window, wind, wi
start_bit_image, sbim, Zq
start_char_set_def, scsd, Zr
stop_bit_image, rbim, Zs
stop_char_set_def, rcsd, Zt
subscript_characters, subcs, Zu
superscript_characters, supcs, Zv
tab, ht, ta
these_cause_cr, docr, Zw
to_status_line, tsl, ts
tone, tone, TO
underline_char, uc, uc
up_half_line, hu, hu
user0, u0, u0
user1, u1, u1
user2, u2, u2
user3, u3, u3
user4, u4, u4
user5, u5, u5
user6, u6, u6
user7, u7, u7
user8, u8, u8
user9, u9, u9
wait_tone, wait, WA
xoff_character, xoffc, XF
xon_character, xonc, XN
zero_motion, zerom, Zx
alt_scancode_esc, scesa, S8
bit_image_carriage_return, bicr, Yv
bit_image_newline, binel, Zz
bit_image_repeat, birep, Xy
char_set_names, csnm, Zy
code_set_init, csin, ci
color_names, colorm, Yw
define_bit_image_region, defbi, Yx
device_type, devt, dv
display_pc_char, dispcc, S1
end_bit_image_region, endbi, Yy

enter_pc_charset_mode,
 smpch, S2
enter_scancode_mode, smsc, S4
exit_pc_charset_mode, rmpch, S3
exit_scancode_mode, rmisc, S5
get_mouse, getm, Gm
key_mouse, kmous, Km
mouse_info, minfo, Mi
pc_term_options, pctrm, S6
pkey_plab, pfxl, xl
req_mouse_pos, reqmp, RQ
scancode_escape, scesc, S7
set0_des_seq, s0ds, s0
set1_des_seq, s1ds, s1
set2_des_seq, s2ds, s2
set3_des_seq, s3ds, s3
set_a_background, setab, AB
set_a_foreground, setaf, AF
set_color_band, setcolor, Yz
set_lr_margin, smglr, ML
set_page_length, slines, YZ
set_tb_margin, smgtb, MT
enter_horizontal_hl_mode, ehhl, Xh
enter_left_hl_mode, elhl, Xl
enter_low_hl_mode, elohl, Xo
enter_right_hl_mode, erhl, Xr
enter_top_hl_mode, ethl, Xt
enter_vertical_hl_mode, evhl, Xv
set_a_attributes, sgr1, sA
set_pglen_inch, slength, sL

Found in path(s):

* /opt/cola/permits/1337889613_1654234494.7314086/0/jline-terminal-3-21-0-sources-1-jar/org/jline/Utils/capabilities.txt

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* /opt/cola/permits/1337889613_1654234494.7314086/0/jline-terminal-3-21-0-sources-1-jar/org/jline/terminal/spi/Pty.java

* /opt/cola/permits/1337889613_1654234494.7314086/0/jline-terminal-3-21-0-sources-1-jar/org/jline/terminal/InputStreamReader.java

* /opt/cola/permits/1337889613_1654234494.7314086/0/jline-terminal-3-21-0-sources-1-jar/org/jline/terminal/ExecHelper.java

* /opt/cola/permits/1337889613_1654234494.7314086/0/jline-terminal-3-21-0-sources-1-jar/org/jline/terminal/impl/CursorSupport.java

* /opt/cola/permits/1337889613_1654234494.7314086/0/jline-terminal-3-21-0-sources-1-jar/org/jline/terminal/DiffHelper.java

* /opt/cola/permits/1337889613_1654234494.7314086/0/jline-terminal-3-21-0-sources-1-jar/org/jline/terminal/OSUtils.java

*

/opt/cola/permits/1337889613_1654234494.7314086/0/jline-terminal-3-21-0-sources-1-jar/org/jline/terminal/Attributes.java

* /opt/cola/permits/1337889613_1654234494.7314086/0/jline-terminal-3-21-0-sources-1-jar/org/jline/terminal/MouseEvent.java

* /opt/cola/permits/1337889613_1654234494.7314086/0/jline-terminal-3-21-0-sources-1-jar/org/jline/terminal/Cursor.java

* /opt/cola/permits/1337889613_1654234494.7314086/0/jline-terminal-3-21-0-sources-1-jar/org/jline/terminal/impl/MouseSupport.java

* /opt/cola/permits/1337889613_1654234494.7314086/0/jline-terminal-3-21-0-sources-1-jar/org/jline/terminal/impl/AbstractPosixTerminal.java

* /opt/cola/permits/1337889613_1654234494.7314086/0/jline-terminal-3-21-0-sources-1-jar/org/jline/terminal/WCWidth.java

* /opt/cola/permits/1337889613_1654234494.7314086/0/jline-terminal-3-21-0-sources-1-jar/org/jline/terminal/ClosedException.java

* /opt/cola/permits/1337889613_1654234494.7314086/0/jline-terminal-3-21-0-sources-1-jar/org/jline/terminal/AttributedString.java

*

/opt/cola/permits/1337889613_1654234494.7314086/0/jline-terminal-3-21-0-sources-1-jar/org/jline/terminal/impl/ExecPty.java

* /opt/cola/permits/1337889613_1654234494.7314086/0/jline-terminal-3-21-0-sources-1-jar/org/jline/terminal/package-info.java

* /opt/cola/permits/1337889613_1654234494.7314086/0/jline-terminal-3-21-0-sources-1-jar/org/jline/terminal/impl/package-info.java

* /opt/cola/permits/1337889613_1654234494.7314086/0/jline-terminal-3-21-0-sources-1-jar/org/jline/terminal/ShutdownHooks.java

* /opt/cola/permits/1337889613_1654234494.7314086/0/jline-terminal-3-21-0-sources-1-jar/org/jline/terminal/Levenshtein.java

* /opt/cola/permits/1337889613_1654234494.7314086/0/jline-terminal-3-21-0-sources-1-jar/org/jline/terminal/impl/NativeSignalHandler.java

1.133 jline-terminal-jansi 3.21.0

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*/opt/cola/permits/1337889502_1654234490.3265955/0/jline-terminal-jansi-3-21-0-sources-1-
jar/org/jline/terminal/impl/jansi/win/JansiWinSysTerminal.java
*/opt/cola/permits/1337889502_1654234490.3265955/0/jline-terminal-jansi-3-21-0-sources-1-
jar/org/jline/terminal/impl/jansi/JansiSupportImpl.java
*/opt/cola/permits/1337889502_1654234490.3265955/0/jline-terminal-jansi-3-21-0-sources-1-
jar/org/jline/terminal/impl/jansi/JansiNativePty.java
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*/opt/cola/permits/1337889502_1654234490.3265955/0/jline-terminal-jansi-3-21-0-sources-1-
jar/org/jline/terminal/impl/jansi/win/WindowsAnsiWriter.java
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* /opt/cola/permits/1337889502_1654234490.3265955/0/jline-terminal-jansi-3-21-0-sources-1-jar/META-INF/maven/org.jline/jline-terminal-jansi/pom.xml

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* /opt/cola/permits/1337889502_1654234490.3265955/0/jline-terminal-jansi-3-21-0-sources-1-jar/org/jline/terminal/impl/jansi/freebsd/FreeBsdNativePty.java

* /opt/cola/permits/1337889502_1654234490.3265955/0/jline-terminal-jansi-3-21-0-sources-1-jar/org/jline/terminal/impl/jansi/osx/OsXNativePty.java

* /opt/cola/permits/1337889502_1654234490.3265955/0/jline-terminal-jansi-3-21-0-sources-1-jar/org/jline/terminal/impl/jansi/linux/LinuxNativePty.java

* /opt/cola/permits/1337889502_1654234490.3265955/0/jline-terminal-jansi-3-21-0-sources-1-jar/org/jline/terminal/impl/jansi/win/JansiWinConsoleWriter.java

* /opt/cola/permits/1337889502_1654234490.3265955/0/jline-terminal-jansi-3-21-0-sources-1-jar/org/jline/terminal/impl/jansi/solaris/SolarisNativePty.java

1.134 jline-reader 3.21.0

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* /opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-jar/org/jline/reader/impl/completer/package-info.java
* /opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-jar/org/jline/reader/impl/history/package-info.java
* /opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-jar/org/jline/reader/package-info.java
* /opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-jar/org/jline/reader/Reference.java
* /opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-jar/org/jline/reader/impl/UndoTree.java
* /opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-jar/org/jline/reader/impl/DefaultExpander.java
*
/opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-jar/org/jline/reader/Macro.java
* /opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-jar/org/jline/reader/impl/completer/NullCompleter.java
* /opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-jar/org/jline/keymap/KeyMap.java
* /opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-jar/org/jline/reader/Widget.java
* /opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-jar/org/jline/reader/impl/completer/AggregateCompleter.java
* /opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-jar/org/jline/reader/Expander.java
* /opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-jar/org/jline/reader/Binding.java
* /opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-jar/org/jline/reader/impl/completer/EnumCompleter.java
*
/opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-jar/org/jline/reader/UserInterruptedException.java
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* /opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-
jar/org/jline/reader/impl/KillRing.java
* /opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-
jar/org/jline/reader/CompletingParsedLine.java
* /opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-
jar/org/jline/reader/ParsedLine.java
* /opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-
jar/org/jline/reader/History.java
* /opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-
jar/org/jline/keymap/BindingReader.java
```

```
*
/opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-
jar/org/jline/reader/MaskingCallback.java
* /opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-
jar/org/jline/reader/impl/completer/FileNameCompleter.java
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* /opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-
jar/org/jline/reader/impl/SimpleMaskingCallback.java
* /opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-
jar/org/jline/reader/impl/BufferImpl.java
* /opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-
jar/org/jline/reader/Buffer.java
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* /opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-jar/org/jline/reader/EOFError.java

*

/opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-jar/org/jline/reader/SyntaxError.java

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Found in path(s):

* /opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-jar/META-INF/maven/org.jline/jline-reader/pom.xml

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* /opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-jar/org/jline/reader/impl/DefaultHighlighter.java

* /opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-jar/org/jline/reader/impl/LineReaderImpl.java

* /opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-jar/org/jline/reader/LineReader.java

* /opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-jar/org/jline/reader/impl/CompletionMatcherImpl.java

* /opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-jar/org/jline/reader/PrintAboveWriter.java
* /opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-jar/org/jline/reader/impl/history/DefaultHistory.java
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* /opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-jar/org/jline/reader/Editor.java
* /opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-jar/org/jline/reader/impl/completer/StringsCompleter.java
* /opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-jar/org/jline/reader/Highlighter.java
* /opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-jar/org/jline/reader/impl/completer/ArgumentCompleter.java
* /opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-jar/org/jline/reader/Candidate.java
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* /opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-jar/org/jline/reader/impl/ReaderUtils.java
* /opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-jar/org/jline/reader/impl/DefaultParser.java
* /opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-jar/org/jline/reader/LineReaderBuilder.java
* /opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-jar/org/jline/reader/CompletionMatcher.java
* /opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-jar/org/jline/reader/impl/completer/SystemCompleter.java

```
* /opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-
jar/org/jline/reader/Parser.java
*
/opt/cola/permits/1337889370_1654234507.193265/0/jline-reader-3-21-0-sources-1-
jar/org/jline/reader/EndOfFileException.java
```

1.135 go-zookeeper 0.0.0-20201211165307-7117e9ea2414

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1.136 flatbuffers-java 1.12.0

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* /opt/cola/permits/1348309859_1655810190.8086412/0/flatbuffers-java-1-12-0-sources-jar/com/google/flatbuffers/DoubleVector.java
* /opt/cola/permits/1348309859_1655810190.8086412/0/flatbuffers-java-1-12-0-sources-jar/com/google/flatbuffers/UnionVector.java
* /opt/cola/permits/1348309859_1655810190.8086412/0/flatbuffers-java-1-12-0-sources-jar/com/google/flatbuffers/BaseVector.java
*
/opt/cola/permits/1348309859_1655810190.8086412/0/flatbuffers-java-1-12-0-sources-jar/com/google/flatbuffers/StringVector.java
* /opt/cola/permits/1348309859_1655810190.8086412/0/flatbuffers-java-1-12-0-sources-jar/com/google/flatbuffers/LongVector.java
* /opt/cola/permits/1348309859_1655810190.8086412/0/flatbuffers-java-1-12-0-sources-jar/com/google/flatbuffers/BooleanVector.java
* /opt/cola/permits/1348309859_1655810190.8086412/0/flatbuffers-java-1-12-0-sources-jar/com/google/flatbuffers/ByteVector.java
* /opt/cola/permits/1348309859_1655810190.8086412/0/flatbuffers-java-1-12-0-sources-jar/com/google/flatbuffers/FloatVector.java
* /opt/cola/permits/1348309859_1655810190.8086412/0/flatbuffers-java-1-12-0-sources-jar/com/google/flatbuffers/ShortVector.java
* /opt/cola/permits/1348309859_1655810190.8086412/0/flatbuffers-java-1-12-0-sources-jar/com/google/flatbuffers/IntVector.java

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* /opt/cola/permits/1348309859_1655810190.8086412/0/flatbuffers-java-1-12-0-sources-jar/com/google/flatbuffers/FlexBuffers.java

* /opt/cola/permits/1348309859_1655810190.8086412/0/flatbuffers-java-1-12-0-sources-jar/com/google/flatbuffers/FlexBuffersBuilder.java

* /opt/cola/permits/1348309859_1655810190.8086412/0/flatbuffers-java-1-12-0-sources-

```
jar/com/google/flatbuffers/Utf8Old.java
*
/opt/cola/permits/1348309859_1655810190.8086412/0/flatbuffers-java-1-12-0-sources-
jar/com/google/flatbuffers/Constants.java
* /opt/cola/permits/1348309859_1655810190.8086412/0/flatbuffers-java-1-12-0-sources-
jar/com/google/flatbuffers/FlatBufferBuilder.java
* /opt/cola/permits/1348309859_1655810190.8086412/0/flatbuffers-java-1-12-0-sources-
jar/com/google/flatbuffers/Table.java
* /opt/cola/permits/1348309859_1655810190.8086412/0/flatbuffers-java-1-12-0-sources-
jar/com/google/flatbuffers/Utf8.java
* /opt/cola/permits/1348309859_1655810190.8086412/0/flatbuffers-java-1-12-0-sources-
jar/com/google/flatbuffers/Struct.java
```

1.137 listenablefuture 9999.0-empty-to-avoid-conflict-with-guava

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* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/hash/Funnel.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/util/concurrent/Uninterruptibles.java

*

/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/base/FunctionalEquivalence.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/hash/AbstractStreamingHasher.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/math/BigIntegerMath.java

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* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/hash/AbstractNonStreamingHashFunction.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/cache/Weigher.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
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jar/com/google/common/base/PairwiseEquivalence.java
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* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
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jar/com/google/common/net/HttpHeaders.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/DescendingImmutableSortedMultiset.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/primitives/UnsignedLong.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/util/concurrent/AsyncFunction.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/hash/HashFunction.java
*
/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/util/concurrent/ListeningScheduledExecutorService.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/math/MathPreconditions.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/util/concurrent/ForwardingListeningExecutorService.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/hash/HashCode.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-

```


jar/com/google/common/hash/AbstractCompositeHashFunction.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
 jar/com/google/common/cache/RemovalListener.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
 jar/com/google/common/hash/Hasher.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
 jar/com/google/common/util/concurrent/CycleDetectingLockFactory.java
 *
 /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
 jar/com/google/common/cache/Cache.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
 jar/com/google/common/math/DoubleMath.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
 jar/com/google/common/net/MediaType.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
 jar/com/google/common/cache/ForwardingCache.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
 jar/com/google/common/base/Ticker.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
 jar/com/google/common/cache/CacheStats.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
 jar/com/google/common/primitives/UnsignedInts.java
 *
 /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
 jar/com/google/common/cache/ForwardingLoadingCache.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
 jar/com/google/common/collect/AbstractSortedMultiset.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
 jar/com/google/common/cache/RemovalCause.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
 jar/com/google/common/util/concurrent/AbstractListeningExecutorService.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
 jar/com/google/common/hash/Crc3cHashFunction.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
 jar/com/google/common/collect/RegularContiguousSet.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
 jar/com/google/common/cache/CacheLoader.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
 jar/com/google/common/cache/RemovalNotification.java
 *
 /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
 jar/com/google/common/hash/BloomFilter.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
 jar/com/google/common/hash/AbstractHasher.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
 jar/com/google/common/primitives/UnsignedLongs.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
 jar/com/google/common/base/Enums.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/cache/AbstractLoadingCache.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/TreeRangeSet.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/hash/PrimitiveSink.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/hash/MessageDigestHashFunction.java

*

/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/math/DoubleUtils.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/Queues.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/hash/Hashing.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/math/LongMath.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/RegularImmutableMultiset.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/hash/Murmur3_128HashFunction.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/hash/BloomFilterStrategies.java

*

/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/hash/Funnels.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/util/concurrent/AbstractScheduledService.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/hash/Murmur3_32HashFunction.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/base/Absent.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/util/concurrent/FutureCallback.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/math/IntMath.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/cache/LoadingCache.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/cache/AbstractCache.java

*

/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/reflect/Types.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/BoundType.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/util/concurrent/UncheckedExecutionException.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-

jar/com/google/common/base/Present.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/util/concurrent/ForwardingExecutorService.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/cache/CacheBuilderSpec.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/net/HostAndPort.java
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* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/ImmutableSortedMultiset.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/RegularImmutableSortedMultiset.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/SortedIterables.java
*
/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/SortedIterable.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/AbstractRangeSet.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/GeneralRangeSet.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/ImmutableSortedMultisetFauxverideShim.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/ForwardingSortedMultiset.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/RangeSet.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/Count.java
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* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/io/CountingInputStream.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/io/LittleEndianDataInputStream.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/primitives/Primitives.java
*
/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/base/Throwables.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/io/LittleEndianDataOutputStream.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/util/concurrent/package-info.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/io/LineBuffer.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/eventbus/package-info.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/base/Preconditions.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/base/Function.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/eventbus/EventBus.java
*
/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/base/Supplier.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/util/concurrent/ListenableFuture.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/base/Suppliers.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/base/Defaults.java

```

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/HashBiMap.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/eventbus/AllowConcurrentEvents.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/util/concurrent/DirectExecutor.java
*
/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/io/Flushables.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/util/concurrent/ExecutionList.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/io/ByteStreams.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/io/package-info.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/base/Predicate.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/EnumMultiset.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/io/Files.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/base/FinalizableWeakReference.java
*
/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/base/FinalizableReference.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/io/Resources.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/base/Predicates.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/base/FinalizablePhantomReference.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/io/Closeables.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/base/AbstractIterator.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/base/Objects.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/Interners.java
*
/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/eventbus/Subscribe.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/eventbus/DeadEvent.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/util/concurrent/AbstractFuture.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-

```

```
jar/com/google/common/io/MultiInputStream.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/io/CountingOutputStream.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/eventbus/AsyncEventBus.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/base/Charsets.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/io/CharStreams.java
*
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/base/Functions.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/base/FinalizableReferenceQueue.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/base/package-info.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/io/LineReader.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/base/FinalizableSoftReference.java
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* As of 2010/06/11, this method is identical to the (package private) hash method in OpenJDK 7's
* java.util.HashMap
class.
*/
```

Found in path(s):

```
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
```

jar/com/google/common/util/concurrent/Striped.java
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jar/com/google/common/graph/IncidentEdgeSet.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/CompactHashing.java
```

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```
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jar/com/google/common/hash/Fingerprint2011.java
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* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/AbstractTable.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/eventbus/SubscriberExceptionHandler.java


```
*
/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/util/concurrent/Runnables.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/eventbus/SubscriberExceptionContext.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/reflect/TypeVisitor.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/util/concurrent/WrappingScheduledExecutorService.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/base/Verify.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/base/VerifyException.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/hash/HashingInputStream.java
```

```
*
/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/base/Utf8.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/FilteredMultimapValues.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/thirdparty/publicsuffix/PublicSuffixType.java
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Found in path(s):
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/FilteredEntryMultimap.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/SortedMultisetBridge.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/UnmodifiableSortedMultiset.java
*
```

```

/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/ForwardingImmutableSet.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/CompactLinkedHashMap.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/CompactLinkedHashSet.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/TreeTraverser.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/FilteredMultimap.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/FilteredEntrySetMultimap.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/CompactHashMap.java
*
/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/FilteredKeySetMultimap.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/ForwardingImmutableList.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/TreeRangeMap.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/ForwardingNavigableSet.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/DescendingImmutableSortedSet.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/AbstractSortedKeySortedSetMultimap.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/DescendingMultiset.java
*
/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/ForwardingDeque.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/AbstractMultimap.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/ForwardingImmutableMap.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/RangeMap.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/FilteredKeyListMultimap.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/RegularImmutableAsList.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/ImmutableEnumMap.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/ForwardingBlockingDeque.java
*

```

/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/ForwardingNavigableMap.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/TransformedIterator.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/TransformedListIterator.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/FilteredSetMultimap.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/AbstractNavigableMap.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/util/concurrent/ForwardingBlockingDeque.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/CompactHashSet.java
*

/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/EvictingQueue.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/AllEqualOrdering.java

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* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/util/concurrent/AggregateFutureState.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/hash/FarmHashFingerprint64.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/util/concurrent/InterruptibleTask.java
*

/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/util/concurrent/CombinedFuture.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/util/concurrent/Platform.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/hash/LittleEndianByteArray.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/hash/MacHashFunction.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/util/concurrent/AsyncCallable.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/ConsumingQueueIterator.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/io/ReaderInputStream.java

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* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/util/concurrent/AtomicDoubleArray.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/cache/LongAdder.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/hash/LongAdder.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/cache/Striped64.java

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* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/util/concurrent/SettableFuture.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/util/concurrent/AbstractIdleService.java

*

/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/Cut.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/escape/ArrayBasedCharEscaper.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/util/concurrent/JdkFutureAdapters.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/io/ByteProcessor.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/cache/LocalCache.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/MapMakerInternalMap.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/io/LineProcessor.java

*

/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/primitives/UnsignedBytes.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/MapMaker.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/base/Platform.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/util/concurrent/Service.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/cache/ReferenceEntry.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/net/HostSpecifier.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/util/concurrent/ForwardingFluentFuture.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/util/concurrent/AbstractService.java
 *
 /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/escape/Platform.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/escape/ArrayBasedEscaperMap.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/cache/CacheBuilder.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/util/concurrent/AbstractExecutionThreadService.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/escape/Escapers.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/io/ByteArrayDataInput.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/net/UrlEscapers.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/xml/XmlEscapers.java
 *
 /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/util/concurrent/Callables.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/net/InternetDomainName.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/RegularImmutableTable.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/primitives/SignedBytes.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/html/HtmlEscapers.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/DenseImmutableTable.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/reflect/TypeResolver.java
 *
 /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/io/ByteArrayDataOutput.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/util/concurrent/ForwardingListenableFuture.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-

jar/com/google/common/util/concurrent/ForwardingFuture.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/annotations/GwtCompatible.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/annotations/GwtIncompatible.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/escape/ArrayBasedUnicodeEscaper.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/SparseImmutableTable.java
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* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-  
jar/com/google/common/collect/ComparatorOrdering.java  
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-  
jar/com/google/common/collect/ExplicitOrdering.java  
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-  
jar/com/google/common/collect/Maps.java  
*  
/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-  
jar/com/google/common/collect/SortedSetMultimap.java  
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-  
jar/com/google/common/collect/LexicographicalOrdering.java  
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-  
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* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-  
jar/com/google/common/collect/ClassToInstanceMap.java  
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-  
jar/com/google/common/collect/ForwardingObject.java  
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-  
jar/com/google/common/collect/EnumBiMap.java  
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
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jar/com/google/common/collect/UsingToStringOrdering.java
*
/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/SetMultimap.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/ForwardingMultimap.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/AbstractSetMultimap.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/LinkedListMultimap.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/ForwardingIterator.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
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jar/com/google/common/collect/ListMultimap.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/MutableClassToInstanceMap.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/MapDifference.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/AbstractMultiset.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/AbstractMapBasedMultimap.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/CompoundOrdering.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/AbstractMapBasedMultiset.java
*
/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/NullsFirstOrdering.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/ArrayListMultimap.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/ImmutableList.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/SingletonImmutableSet.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/ForwardingMultiset.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/Lists.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/Interner.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/LinkedHashSet.java
*
/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/Iterators.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/HashSet.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/ForwardingConcurrentMap.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/AbstractIterator.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/ConcurrentHashSet.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/Multimaps.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/ForwardingSortedSet.java
*
/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/ReverseNaturalOrdering.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/TreeMultiset.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/NullsLastOrdering.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/Multisets.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/AbstractMapEntry.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/ForwardingListIterator.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/Iterables.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/Multiset.java
*
/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/Sets.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/ForwardingSet.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/ForwardingSortedMap.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/HashMultimap.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/Ordering.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/Multimap.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-

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jar/com/google/common/collect/Synchronized.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/AbstractBiMap.java
*
/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/AbstractListMultimap.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/ByFunctionOrdering.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/EnumHashBiMap.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/TreeMultimap.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/NaturalOrdering.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/BiMap.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/ForwardingMapEntry.java
*
/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/package-info.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/ReverseOrdering.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/AbstractSortedSetMultimap.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/LinkedHashMultimap.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/RegularImmutableSet.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/ImmutableSet.java
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* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/ForwardingTable.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/ArrayTable.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/ImmutableSortedMap.java

*

/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/ImmutableClassToInstanceMap.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/ImmutableAsList.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/ComputationException.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/RegularImmutableList.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/SingletonImmutableTable.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/AbstractIndexedListIterator.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/EmptyImmutableSetMultimap.java

*

/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/ImmutableEnumSet.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/ImmutableSetMultimap.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/ImmutableSortedSetFauxverideShim.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/DiscreteDomain.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/ImmutableTable.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/RegularImmutableSortedSet.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/ComparisonChain.java

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* This following method is a modified version of one found in
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jar/com/google/common/collect/TopKSelector.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/graph/PredecessorsFunction.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/graph/Graphs.java
*

/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/graph/ImmutableNetwork.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/graph/MutableNetwork.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/graph/SuccessorsFunction.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/graph/Graph.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/graph/Network.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/graph/MutableGraph.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/graph/ImmutableGraph.java

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* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/NullnessCasts.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/base/NullnessCasts.java

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jar/com/google/common/util/concurrent/OverflowAvoidingLockSupport.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/io/Java8Compatibility.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/hash/Java8Compatibility.java
*
/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/math/BigDecimalMath.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/base/Java8Compatibility.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/math/ToDoubleRounder.java
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jar/com/google/common/hash/package-info.java
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* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/graph/AbstractNetwork.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/graph/DirectedGraphConnections.java

*

/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/graph/StandardValueGraph.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/graph/NetworkBuilder.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/graph/GraphConstants.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/graph/UndirectedMultiNetworkConnections.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/graph/MapIteratorCache.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/RangeGwtSerializationDependencies.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/graph/UndirectedGraphConnections.java
*
/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/graph/AbstractDirectedNetworkConnections.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/graph/AbstractGraph.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/graph/ImmutableValueGraph.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/graph/AbstractGraphBuilder.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/graph/EndpointPair.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/graph/StandardMutableNetwork.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/graph/DirectedNetworkConnections.java
*
/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/graph/EdgesConnecting.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/graph/ForwardingValueGraph.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/graph/ForwardingNetwork.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/graph/StandardMutableValueGraph.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/graph/ValueGraph.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/graph/ElementOrder.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/graph/ValueGraphBuilder.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/graph/AbstractValueGraph.java
*
/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/graph/GraphBuilder.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/graph/StandardMutableGraph.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/ArrayListMultimapGwtSerializationDependencies.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/graph/MutableValueGraph.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-


```
jar/com/google/common/graph/UndirectedNetworkConnections.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/graph/GraphConnections.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/graph/EndpointPairIterator.java
*
/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/LinkedHashMultimapGwtSerializationDependencies.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/Comparators.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/graph/ForwardingGraph.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/graph/AbstractUndirectedNetworkConnections.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/graph/MapRetrievalCache.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/ImmutableMultisetGwtSerializationDependencies.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/graph/MultiEdgesConnecting.java
*
/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/graph/NetworkConnections.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/graph/DirectedMultiNetworkConnections.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/graph/StandardNetwork.java
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* the License.
*/
/**
* Holder for web specializations of methods of { @code Shorts }. Intended to be empty for regular
* version.
*/
```

Found in path(s):

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/primitives/ShortsMethodsForWeb.java

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*/

/**

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

*/

Found in path(s):

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/primitives/FloatsMethodsForWeb.java

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* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/util/concurrent/ImmediateFuture.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-

jar/com/google/common/util/concurrent/AbstractTransformFuture.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/util/concurrent/TimeoutFuture.java
*
/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/io/PatternFilenameFilter.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/util/concurrent/AbstractCatchingFuture.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/util/concurrent/CollectionFuture.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/util/concurrent/Futures.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/util/concurrent/GwtFuturesCatchingSpecialization.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/base/CaseFormat.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/reflect/TypeToken.java
*
/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/util/concurrent/FakeTimeLimiter.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/util/concurrent/AggregateFuture.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/util/concurrent/FuturesGetChecked.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/annotations/VisibleForTesting.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/util/concurrent/GwtFluentFutureCatchingSpecialization.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/util/concurrent/SimpleTimeLimiter.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/util/concurrent/UncheckedTimeoutException.java
*
/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/util/concurrent/FluentFuture.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/io/AppendableWriter.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/escape/CharEscaper.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/escape/CharEscaperBuilder.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/util/concurrent/TimeLimiter.java
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* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/eventbus/Dispatcher.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/base/MoreObjects.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/util/concurrent/TrustedListenableFutureTask.java
*

/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/util/concurrent/ListenerCallQueue.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/eventbus/Subscriber.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/eventbus/SubscriberRegistry.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/math/Quantiles.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

```
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```

Found in path(s):

```
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/base/SmallCharMatcher.java
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```

```
*/
```

```
/**
```

```
* Outer class that exists solely to let us write { @code Partially.GwtIncompatible } instead of plain
* { @code GwtIncompatible }. This is more accurate for { @link Futures#catching }, which is available
* under GWT but with a slightly different signature.
```

```
*
```

```
* <p>We can't use { @code PartiallyGwtIncompatible } because then the GWT compiler
wouldn't recognize
```

```
* it as a { @code GwtIncompatible } annotation. And for { @code Futures.catching }, we need the GWT
* compiler to autostrip the normal server method in order to expose the special, inherited GWT
* version.
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/util/concurrent/Partially.java
```

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* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/hash/ImmutableSupplier.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/util/concurrent/ExecutionSequencer.java
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* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/base/CommonPattern.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/base/JdkPattern.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/base/CommonMatcher.java
*
/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/base/PatternCompiler.java
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- * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/RegularImmutableMap.java
- * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/Range.java
- * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/ImmutableSortedSet.java
- *
- /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/StandardTable.java
- * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/ImmutableMapKeySet.java
- * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/Platform.java
- * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/ImmutableListMultimap.java
- * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/RegularImmutableBiMap.java
- * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/ImmutableMapEntrySet.java
- * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/ImmutableBiMap.java
- *
- /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/ImmutableMultiset.java
- * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/ImmutableCollection.java
- * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/ImmutableEntry.java
- * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/Tables.java
- * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/Serialization.java
- * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/UnmodifiableIterator.java
- * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-

```
jar/com/google/common/collect/CollectPreconditions.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/Collections2.java
*
/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/thirdparty/publicsuffix/PublicSuffixPatterns.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/HashBasedTable.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/TreeBasedTable.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/StandardRowSortedTable.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/Table.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/ImmutableMap.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/ImmutableMapValues.java
*
/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/PeekingIterator.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/EmptyImmutableListMultimap.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/ImmutableMultimap.java
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*/
/**
* Not supported. <b>You are attempting to create a map that may contain a non-{@code Comparable}
* key.</b> Proper calls will resolve to the version in {@code ImmutableSortedMap}, not this dummy
* version.
*
* @throws UnsupportedOperationException always
```



```
* @deprecated <b>Pass a key of type { @code Comparable}
to use { @link
*   ImmutableSortedMap#of(Comparable, Object)}.</b>
*/
```

Found in path(s):

```
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/ImmutableSortedMapFauxverideShim.java
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```

```
*/
```

```
/**
```

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

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/primitives/DoublesMethodsForWeb.java
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```
*/
```

Found in path(s):

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/primitives/Platform.java

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* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/util/concurrent/UncaughtExceptionHandler.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/primitives/package-info.java

*

/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/util/concurrent/Atomics.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/base/Strings.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/ContiguousSet.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/util/concurrent/ListeningExecutorService.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/annotations/Beta.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/util/concurrent/Monitor.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/util/concurrent/ThreadFactoryBuilder.java

*

/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/net/package-info.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/SortedLists.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/base/Equivalence.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/util/concurrent/ForwardingBlockingQueue.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/annotations/package-info.java
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* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/ForwardingSortedSetMultimap.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/ForwardingImmutableCollection.java
*
/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/MinMaxPriorityQueue.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/AbstractSequentialIterator.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/UnmodifiableListIterator.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/SortedMapDifference.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/ForwardingListMultimap.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/ForwardingSetMultimap.java
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* the License.
*/
/**
* Holder for extra methods of { @code Objects } only in web. Intended to be empty for regular
* version.
*/
```

Found in path(s):

```
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
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* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/BaseImmutableMultimap.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/IndexedImmutableSet.java
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* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/cache/LongAddables.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/xml/package-info.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/math/PairedStatsAccumulator.java
*
/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/reflect/package-info.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/hash/ChecksumHashFunction.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/io/CharSink.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/reflect/ClassPath.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/io/ByteSource.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/hash/AbstractByteHasher.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/io/CharSource.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/hash/SipHashFunction.java
*
/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/reflect/MutableTypeToInstanceMap.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/ImmutableRangeMap.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/ImmutableRangeSet.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/io/FileWriteMode.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/reflect/Invokable.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-

jar/com/google/common/cache/LongAddable.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
 jar/com/google/common/html/package-info.java
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 /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
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 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
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 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
 jar/com/google/common/io/Closer.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
 jar/com/google/common/reflect/AbstractInvocationHandler.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
 jar/com/google/common/math/StatsAccumulator.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
 jar/com/google/common/io/BaseEncoding.java
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 /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
 jar/com/google/common/util/concurrent/ListenableScheduledFuture.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
 jar/com/google/common/base/StandardSystemProperty.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
 jar/com/google/common/reflect/ImmutableTypeToInstanceMap.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
 jar/com/google/common/math/Stats.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
 jar/com/google/common/util/concurrent/SmoothRateLimiter.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
 jar/com/google/common/io/ByteSink.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
 jar/com/google/common/collect/CartesianList.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
 jar/com/google/common/reflect/TypeCapture.java
 *
 /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
 jar/com/google/common/util/concurrent/RateLimiter.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
 jar/com/google/common/escape/package-info.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
 jar/com/google/common/util/concurrent/ServiceManager.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
 jar/com/google/common/reflect/TypeToInstanceMap.java
 * /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
 jar/com/google/common/math/LinearTransformation.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/FilteredKeyMultimap.java

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* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/base/CharMatcher.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/primitives/Ints.java

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/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/primitives/Doubles.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/escape/UnicodeEscaper.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/base/Stopwatch.java

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* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/io/FileBackedOutputStream.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/primitives/Floats.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/primitives/Bytes.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/util/concurrent/ListenableFutureTask.java

*

/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/FluentIterable.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/base/internal/Finalizer.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/base/Joiner.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/primitives/Longs.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/primitives/Shorts.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/util/concurrent/SequentialExecutor.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/primitives/Chars.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/net/PercentEscaper.java
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/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/thirdparty/publicsuffix/TrieParser.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/io/MultiReader.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/net/InetAddresses.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/primitives/Booleans.java
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* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/math/ParametricNullness.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/net/ElementTypesAreNonnullByDefault.java
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/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/reflect/ParametricNullness.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/graph/ParametricNullness.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/escape/ParametricNullness.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/graph/ElementTypesAreNonnullByDefault.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/util/concurrent/ParametricNullness.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/xml/ParametricNullness.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/reflect/ElementTypesAreNonnullByDefault.java
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* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/cache/ParametricNullness.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/hash/ElementTypesAreNonnullByDefault.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/primitives/ParametricNullness.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/io/ParametricNullness.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/collect/ElementTypesAreNonnullByDefault.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/util/concurrent/ElementTypesAreNonnullByDefault.java
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/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/primitives/ElementTypesAreNonnullByDefault.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/escape/ElementTypesAreNonnullByDefault.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/eventbus/ElementTypesAreNonnullByDefault.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/net/ParametricNullness.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/html/ElementTypesAreNonnullByDefault.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/base/ParametricNullness.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-jar/com/google/common/xml/ElementTypesAreNonnullByDefault.java
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* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/html/ParametricNullness.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/hash/ParametricNullness.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/eventbus/ParametricNullness.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/io/ElementTypesAreNonnullByDefault.java
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jar/com/google/common/collect/SortedMultisets.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/SortedMultiset.java
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/**

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

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

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

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/util/concurrent/ForwardingCondition.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/primitives/ImmutableIntArray.java

*

/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/hash/AbstractHashFunction.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/util/concurrent/ForwardingLock.java

* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/primitives/ImmutableLongArray.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
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*/
```

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* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/Hashing.java
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jar/com/google/common/util/concurrent/ClosingFuture.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/graph/Traverser.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/graph/AbstractBaseGraph.java
*
```

```
/opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/graph/BaseGraph.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/ObjectCountLinkedHashMap.java
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/ObjectCountHashMap.java
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 */
/**
 * Returns an array containing all of the elements in the specified collection. This method
 * returns the elements in the order they are returned by the collection's iterator. The returned
 * array is "safe" in that no references to it are maintained by the collection. The caller is
 * thus free to modify the returned
array.
 *
 * <p>This method assumes that the collection size doesn't change while the method is running.
 *
 * <p>TODO(kevinb): support concurrently modified collections?
 *
 * @param c the collection for which to return an array of elements
 */
```

Found in path(s):

```
* /opt/cola/permits/1352724522_1656396262.6124718/0/guava-31-1-android-sources-1-
jar/com/google/common/collect/ObjectArrays.java
```

1.139 reactive-streams 1.0.4

1.139.1 Available under license :

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1.140 high-scale-lib 1.0.6

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* /opt/cola/permits/1360632734_1657532863.2468047/0/high-scale-lib-1-0-6-sources-4-jar/java/util/concurrent/ConcurrentHashMap.java

* /opt/cola/permits/1360632734_1657532863.2468047/0/high-scale-lib-1-0-6-sources-4-jar/org/cliffc/high_scale_lib/NonBlockingHashMap.java

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* /opt/cola/permits/1360632734_1657532863.2468047/0/high-scale-lib-1-0-6-sources-4-jar/org/cliffc/high_scale_lib/NonBlockingIdentityHashMap.java

* /opt/cola/permits/1360632734_1657532863.2468047/0/high-scale-lib-1-0-6-sources-4-jar/org/cliffc/high_scale_lib/AbstractEntry.java

*

/opt/cola/permits/1360632734_1657532863.2468047/0/high-scale-lib-1-0-6-sources-4-jar/org/cliffc/high_scale_lib/NonBlockingHashtable.java

* /opt/cola/permits/1360632734_1657532863.2468047/0/high-scale-lib-1-0-6-sources-4-jar/java/util/Hashtable.java

* /opt/cola/permits/1360632734_1657532863.2468047/0/high-scale-lib-1-0-6-sources-4-jar/org/cliffc/high_scale_lib/NonBlockingHashMapLong.java

* /opt/cola/permits/1360632734_1657532863.2468047/0/high-scale-lib-1-0-6-sources-4-jar/org/cliffc/high_scale_lib/NonBlockingHashSet.java

* /opt/cola/permits/1360632734_1657532863.2468047/0/high-scale-lib-1-0-6-sources-4-jar/org/cliffc/high_scale_lib/Counter.java

1.141 netty 4.1.79.Final

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* /opt/cola/permits/1385266528_1660026490.5295608/0/gson-2-9-1-sources-jar/com/google/gson/annotations/Expose.java
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*
/opt/cola/permits/1385266528_1660026490.5295608/0/gson-2-9-1-sources-jar/com/google/gson/JsonDeserializer.java
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jar/com/google/gson/ExclusionStrategy.java
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jar/com/google/gson/FieldNamingPolicy.java
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 * /opt/cola/permits/1385266528_1660026490.5295608/0/gson-2-9-1-sources-
jar/com/google/gson/internal/sql/SqlDateTypeAdapter.java
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jar/com/google/gson/internal/LazilyParsedNumber.java
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jar/com/google/gson/internal/bind/TreeTypeAdapter.java
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jar/com/google/gson/internal/sql/SqlTimeTypeAdapter.java
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jar/com/google/gson/internal/ConstructorConstructor.java
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*/

Found in path(s):

* /opt/cola/permits/1385266528_1660026490.5295608/0/gson-2-9-1-sources-jar/com/google/gson/internal/bind/JsonAdapterAnnotationTypeAdapterFactory.java

* /opt/cola/permits/1385266528_1660026490.5295608/0/gson-2-9-1-sources-jar/com/google/gson/annotations/JsonAdapter.java

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* /opt/cola/permits/1385266528_1660026490.5295608/0/gson-2-9-1-sources-jar/com/google/gson/stream/JsonWriter.java

* /opt/cola/permits/1385266528_1660026490.5295608/0/gson-2-9-1-sources-jar/com/google/gson/stream/JsonScope.java

* /opt/cola/permits/1385266528_1660026490.5295608/0/gson-2-9-1-sources-jar/com/google/gson/stream/MalformedJsonException.java

*

*/opt/cola/permits/1385266528_1660026490.5295608/0/gson-2-9-1-sources-jar/com/google/gson/stream/JsonReader.java

* /opt/cola/permits/1385266528_1660026490.5295608/0/gson-2-9-1-sources-jar/com/google/gson/stream/JsonToken.java

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jar/com/google/gson/internal/bind/NumberTypeAdapter.java
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* /opt/cola/permits/1385266528_1660026490.5295608/0/gson-2-9-1-sources-
jar/com/google/gson/internal/JsonReaderInternalAccess.java
* /opt/cola/permits/1385266528_1660026490.5295608/0/gson-2-9-1-sources-
jar/com/google/gson/internal/bind/ArrayTypeAdapter.java
* /opt/cola/permits/1385266528_1660026490.5295608/0/gson-2-9-1-sources-
jar/com/google/gson/TypeAdapter.java

*

/opt/cola/permits/1385266528_1660026490.5295608/0/gson-2-9-1-sources-
jar/com/google/gson/internal/bind/MapTypeAdapterFactory.java

* /opt/cola/permits/1385266528_1660026490.5295608/0/gson-2-9-1-sources-
jar/com/google/gson/internal/bind/ObjectTypeAdapter.java

* /opt/cola/permits/1385266528_1660026490.5295608/0/gson-2-9-1-sources-
jar/com/google/gson/internal/bind/ReflectiveTypeAdapterFactory.java

* /opt/cola/permits/1385266528_1660026490.5295608/0/gson-2-9-1-sources-
jar/com/google/gson/internal/bind/JsonTreeWriter.java

* /opt/cola/permits/1385266528_1660026490.5295608/0/gson-2-9-1-sources-
jar/com/google/gson/internal/bind/TypeAdapterRuntimeTypeWrapper.java

* /opt/cola/permits/1385266528_1660026490.5295608/0/gson-2-9-1-sources-
jar/com/google/gson/internal/bind/TypeAdapters.java

* /opt/cola/permits/1385266528_1660026490.5295608/0/gson-2-9-1-sources-jar/com/google/gson/internal/bind/CollectionTypeAdapterFactory.java
* /opt/cola/permits/1385266528_1660026490.5295608/0/gson-2-9-1-sources-jar/com/google/gson/TypeAdapterFactory.java
*

/opt/cola/permits/1385266528_1660026490.5295608/0/gson-2-9-1-sources-jar/com/google/gson/internal/bind/JsonTreeReader.java
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Found in path(s):
* /opt/cola/permits/1385266528_1660026490.5295608/0/gson-2-9-1-sources-jar/com/google/gson/internal/LinkedTreeMap.java
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Found in path(s):


```
* /opt/cola/permits/1385266528_1660026490.5295608/0/gson-2-9-1-sources-
jar/com/google/gson/ToNumberStrategy.java
* /opt/cola/permits/1385266528_1660026490.5295608/0/gson-2-9-1-sources-
jar/com/google/gson/ToNumberPolicy.java
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```

Found in path(s):

```
* /opt/cola/permits/1385266528_1660026490.5295608/0/gson-2-9-1-sources-jar/com/google/gson/JsonParser.java
* /opt/cola/permits/1385266528_1660026490.5295608/0/gson-2-9-1-sources-
jar/com/google/gson/FieldAttributes.java
* /opt/cola/permits/1385266528_1660026490.5295608/0/gson-2-9-1-sources-
jar/com/google/gson/LongSerializationPolicy.java
*
/opt/cola/permits/1385266528_1660026490.5295608/0/gson-2-9-1-sources-
jar/com/google/gson/JsonStreamParser.java
```

1.143 grpc-netty 1.48.0

1.143.1 Available under license :

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1.144 webencodings 0.5.1

1.144.1 Available under license :

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```
python-webencodings
=====
```

This is a Python implementation of the `WHATWG` Encoding standard

<<http://encoding.spec.whatwg.org/>>`_.

- * Latest documentation: <http://packages.python.org/webencodings/>
- * Source code and issue tracker:
<https://github.com/gsnedders/python-webencodings>
- * PyPI releases: <http://pypi.python.org/pypi/webencodings>
- * License: BSD
- * Python 2.6+ and 3.3+

In order to be compatible with legacy web content when interpreting something like ``Content-Type: text/html; charset=latin1``, tools need to use a particular set of aliases for encoding labels as well as some overriding rules. For example, ``US-ASCII`` and ``iso-8859-1`` on the web are actually aliases for ``windows-1252``, and an UTF-8 or UTF-16 BOM takes precedence over any other encoding declaration. The Encoding standard defines all such details so that implementations do not have to reverse-engineer each other.

This module has encoding labels and BOM detection, but the actual implementation for encoders and decoders is Python's.

Found in path(s):

* /opt/cola/permits/1401468445_1661617535.3616152/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/README.rst

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```
from setuptools import setup, find_packages
import io
from os import path
import re
```

```
VERSION = re.search("VERSION = '([^\']+)'", io.open(
    path.join(path.dirname(__file__), 'webencodings', '__init__.py'),
    encoding='utf-8'
).read().strip()).group(1)
```

```
LONG_DESCRIPTION = io.open(
    path.join(path.dirname(__file__), 'README.rst'),
    encoding='utf-8'
).read()
```

```
setup(
    name='webencodings',
    version=VERSION,
```

```

url='https://github.com/SimonSapin/python-webencodings',
license='BSD',
author='Simon Sapin',
author_email='simon.sapin@exyr.org',
maintainer='Geoffrey Sneddon',
maintainer_email='me@gsnedders.com',
description='Character encoding aliases for legacy web content',
long_description=LONG_DESCRIPTION,
classifiers=[
    'Development Status :: 4 - Beta',
    'Intended Audience :: Developers',
    'License :: OSI Approved :: BSD License',
    'Programming Language
:: Python',
    'Programming Language :: Python :: 2',
    'Programming Language :: Python :: 2.6',
    'Programming Language :: Python :: 2.7',
    'Programming Language :: Python :: 3',
    'Programming Language :: Python :: 3.3',
    'Programming Language :: Python :: 3.4',
    'Programming Language :: Python :: 3.5',
    'Programming Language :: Python :: 3.6',
    'Programming Language :: Python :: Implementation :: CPython',
    'Programming Language :: Python :: Implementation :: PyPy',
    'Topic :: Internet :: WWW/HTTP',
],
packages=find_packages(),
)

```

Found in path(s):

```

* /opt/cola/permits/1401468445_1661617535.3616152/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/setup.py

```

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"""

```

webencodings.mklabels
~~~~~

```

Regenerate the webencodings.labels module.

```

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```

```

:license: BSD, see LICENSE for details.

```

"""

```

import json

```

```

try:

```

```

from urllib import urlopen
except ImportError:
    from urllib.request import urlopen

def assert_lower(string):
    assert string == string.lower()
    return string

def generate(url):
    parts = []
    """
    webencodings.labels
    ~~~~~

    Map encoding labels to their name.

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    """

    # XXX Do not edit!
    # This file is automatically generated by mklabels.py

    LABELS = {
    """
    labels = [
        (repr(assert_lower(label)).lstrip('u'),
         repr(encoding['name']).lstrip('u'))
        for category in json.loads(urlopen(url).read().decode('ascii'))
        for encoding in category['encodings']
        for label in encoding['labels']]
    max_len = max(len(label) for label, name in labels)
    parts.extend(
        ' %s:%s %s,\n' % (label, ' ' * (max_len - len(label)), name)
        for label, name in labels)
    parts.append('}')
    return ".join(parts)

if __name__ == '__main__':
    print(generate('http://encoding.spec.whatwg.org/encodings.json'))

Found in path(s):
* /opt/cola/permits/1401468445_1661617535.3616152/0/webencodings-0-5-1-1-tar-gz/webencodings-

```

0.5.1/webencodings/mklabels.py

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* /opt/cola/permits/1401468445_1661617535.3616152/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/webencodings/labels.py

* /opt/cola/permits/1401468445_1661617535.3616152/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/webencodings/__init__.py

* /opt/cola/permits/1401468445_1661617535.3616152/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/webencodings/tests.py

* /opt/cola/permits/1401468445_1661617535.3616152/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/webencodings/x_user_defined.py

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Metadata-Version: 1.1

Name: webencodings

Version: 0.5.1

Summary: Character encoding aliases for legacy web content

Home-page: <https://github.com/SimonSapin/python-webencodings>

Author: Geoffrey Sneddon

Author-email: me@gsnedders.com

License: BSD

Description: python-webencodings

=====

This is a Python implementation of the `WHATWG Encoding standard`
<<http://encoding.spec.whatwg.org/>>` _.

* Latest documentation: <http://packages.python.org/webencodings/>

* Source code and issue tracker:

<https://github.com/gsnedders/python-webencodings>

* PyPI releases: <http://pypi.python.org/pypi/webencodings>

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* Python 2.6+ and 3.3+

In order to be compatible with legacy web content

when interpreting something like ``Content-Type: text/html; charset=latin1``,

tools need to use a particular set

of aliases for encoding labels

as well as some overriding rules.

For example, ``US-ASCII`` and ``iso-8859-1`` on the web are actually

aliases for ``windows-1252``, and an UTF-8 or UTF-16 BOM takes precedence

over any other encoding declaration.

The Encoding standard defines all such details so that implementations do

not have to reverse-engineer each other.

This module has encoding labels and BOM detection,
but the actual implementation for encoders and decoders is Python's.

Platform: UNKNOWN

Classifier: Development Status :: 4 - Beta

Classifier: Intended Audience :: Developers

Classifier: License :: OSI Approved :: BSD License

Classifier: Programming Language :: Python

Classifier: Programming Language :: Python :: 2

Classifier: Programming Language :: Python :: 2.6

Classifier: Programming Language :: Python :: 2.7

Classifier: Programming Language :: Python :: 3

Classifier: Programming Language :: Python

:: 3.3

Classifier: Programming Language :: Python :: 3.4

Classifier: Programming Language :: Python :: 3.5

Classifier: Programming Language :: Python :: 3.6

Classifier: Programming Language :: Python :: Implementation :: CPython

Classifier: Programming Language :: Python :: Implementation :: PyPy

Classifier: Topic :: Internet :: WWW/HTTP

Found in path(s):

* /opt/cola/permits/1401468445_1661617535.3616152/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/webencodings.egg-info/PKG-INFO

* /opt/cola/permits/1401468445_1661617535.3616152/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/PKG-INFO

1.145 packaging 21.3

1.145.1 Available under license :

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Version 2.0, January 2004

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1.146 vertx-core 4.3.2

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# which is available at https://www.apache.org/licenses/LICENSE-2.0.
#
# SPDX-License-Identifier: EPL-2.0 OR Apache-2.0
```

```
# Core commands
io.vertx.core.impl.launcher.commands.RunCommandFactory
io.vertx.core.impl.launcher.commands.VersionCommandFactory
io.vertx.core.impl.launcher.commands.BareCommandFactory
```

```
# Background application control
io.vertx.core.impl.launcher.commands.ListCommandFactory
io.vertx.core.impl.launcher.commands.StartCommandFactory
io.vertx.core.impl.launcher.commands.StopCommandFactory
```

Found in path(s):

```
* /opt/cola/permits/1402606024_1661794850.940885/0/vertx-core-4-3-2-jar/META-INF/services/io.vertx.core.spi.launcher.CommandFactory
```

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1.147 importlib-resources 5.9.0

1.147.1 Available under license :

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1.148 grpc-stub 1.48.0

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1.149 grpc-grpclb 1.48.0

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Found in path(s):

* /opt/cola/permits/1405772451_1662058174.2120607/0/grpc-grpclb-1-48-0-jar/grpc/lb/v1/load_balancer.proto

1.150 simpleclient_tracer_common 0.16.0

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* /opt/cola/permits/1417007592_1663222185.723631/0/simpleclient-tracer-common-0-16-0-sources-jar/META-INF/maven/io.prometheus/simpleclient_tracer_common/pom.xml

1.151 simpleclient 0.16.0

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Found in path(s):

* /opt/cola/permits/1417007534_1663222283.6427658/0/simpleclient-0-16-0-sources-jar/META-INF/maven/io.prometheus/simpleclient/pom.xml

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*/

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* /opt/cola/permits/1417007534_1663222283.6427658/0/simpleclient-0-16-0-sources-jar/io/prometheus/client/Striped64.java

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* /opt/cola/permits/1417007534_1663222283.6427658/0/simpleclient-0-16-0-sources-
jar/io/prometheus/client/CKMSQuantiles.java

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*/

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* /opt/cola/permits/1417007534_1663222283.6427658/0/simpleclient-0-16-0-sources-
jar/io/prometheus/client/DoubleAdder.java

1.152 simpleclient_tracer_otel 0.16.0

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Found in path(s):

* /opt/cola/permits/1417007497_1663222176.7797983/0/simpleclient-tracer-otel-0-16-0-jar/META-
INF/maven/io.prometheus/simpleclient_tracer_otel/pom.xml

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Manifest-Version: 1.0

Bnd-LastModified: 1655327871630

Build-Jdk: 11.0.15

Built-By: fabian

Bundle-Description: The Prometheus Java Suite: Client Metrics, Exposition,
and Examples

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

Bundle-ManifestVersion: 2

Bundle-Name: Prometheus Java Span Context Supplier - OpenTelemetry

Bundle-SymbolicName: io.prometheus.simpleclient_tracer_otel

Bundle-Version: 0.16.0

Created-By: Apache Maven Bundle Plugin

Export-Package: io.prometheus.client.exemplars.tracer.otel;uses:="io.prometheus.client.exemplars.tracer.common";version="0.16.0"

Import-Package: io.opentelemetry.api.trace;resolution:=optional,io.prometheus.client.exemplars.tracer.common;version="[0.16,1)"

Tool: Bnd-2.1.0.20130426-122213

Found in path(s):

* /opt/cola/permits/1417007497_1663222176.7797983/0/simpleclient-tracer-otel-0-16-0-jar/META-INF/MANIFEST.MF

1.153 simpleclient-common 0.16.0

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Found in path(s):

* /opt/cola/permits/1417007578_1663222312.300148/0/simpleclient-common-0-16-0-sources-jar/META-INF/maven/io.prometheus/simpleclient_common/pom.xml

1.154 simpleclient-httpserver 0.16.0

1.154.1 Available under license :

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Found in path(s):

* /opt/cola/permits/1417007544_1663222286.1019168/0/simpleclient-httpserver-0-16-0-sources-jar/META-INF/maven/io.prometheus/simpleclient_httpserver/pom.xml

1.155 simpleclient_tracer_otel_agent 0.16.0

1.155.1 Available under license :

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Found in path(s):

* /opt/cola/permits/1417007584_1663222288.9837213/0/simpleclient-tracer-otel-agent-0-16-0-sources-jar/META-INF/maven/io.prometheus/simpleclient_tracer_otel_agent/pom.xml

1.156 simpleclient-hotspot 0.16.0

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Manifest-Version: 1.0
Bnd-LastModified: 1655327979490
Build-Jdk: 11.0.15
Built-By: fabian
Bundle-Description: Collectors of data from Java Hotspot.
Bundle-License: <http://www.apache.org/licenses/LICENSE-2.0.txt>
Bundle-ManifestVersion: 2
Bundle-Name: Prometheus Java Simpleclient Hotspot
Bundle-SymbolicName: io.prometheus.simpleclient_hotspot
Bundle-Version: 0.16.0
Created-By: Apache Maven Bundle Plugin
Export-Package: io.prometheus.client.hotspot;uses:="io.prometheus.client";version="0.16.0"
Import-Package: com.sun.management,io.prometheus.client;version="[0.16,1)",javax.management,javax.management.openmbean
Tool: Bnd-2.1.0.20130426-122213

Found in path(s):

* /opt/cola/permits/1417007560_1663222261.4278126/0/simpleclient-hotspot-0-16-0-jar/META-INF/MANIFEST.MF

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1.157 jackson-datatype-jsr310 2.13.4

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1.158 nats.go 1.13.1-0.20211018182449-f2416a8b1483

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1.159 jansi 2.4.0

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```
* /opt/cola/permits/1438819361_1665479538.9984722/0/jansi-2-4-0-sources-
```

jar/org/fusesource/jansi/io/AnsiOutputStream.java
* /opt/cola/permits/1438819361_1665479538.9984722/0/jansi-2-4-0-sources-
jar/org/fusesource/jansi/io/FastBufferedOutputStream.java
* /opt/cola/permits/1438819361_1665479538.9984722/0/jansi-2-4-0-sources-
jar/org/fusesource/jansi/AnsiPrintStream.java
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* /opt/cola/permits/1438819361_1665479538.9984722/0/jansi-2-4-0-sources-
jar/org/fusesource/jansi/internal/Kernel32.java
* /opt/cola/permits/1438819361_1665479538.9984722/0/jansi-2-4-0-sources-
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* /opt/cola/permits/1438819361_1665479538.9984722/0/jansi-2-4-0-sources-jar/org/fusesource/jansi/Ansi.java

* /opt/cola/permits/1438819361_1665479538.9984722/0/jansi-2-4-0-sources-jar/org/fusesource/jansi/io/AnsiProcessor.java

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1.160 sarama 1.30.0

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1.165 open-csv 5.7.1

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Found in path(s):

* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/MappingStrategy.java

* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/CsvToBean.java

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* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/HeaderColumnNameMappingStrategy.java

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* A very simple CSV writer released under a commercial-friendly license.

*

* @author Glen Smith

*/

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* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/META-INF/maven/com.opencsv/opencsv/pom.xml

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* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/CsvToBeanFilter.java

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* A very simple CSV parser for Java released under a commercial-friendly license.

*

* @see opencsv.sourceforge.net

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* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/AbstractMappingStrategy.java
* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/AbstractFieldMap.java
* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/CsvNumber.java
*
/opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/HeaderIndex.java
* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/ConverterNumber.java
* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-

```
jar/com/opencsv/bean/comparator/LiteralComparator.java
* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-
jar/com/opencsv/bean/RegexToBeanField.java
* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-
jar/com/opencsv/bean/BeanFieldJoinIntegerIndex.java
* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-
jar/com/opencsv/bean/PositionToBeanField.java
* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-
jar/com/opencsv/bean/comparator/package-info.java
* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-
jar/com/opencsv/bean/FieldMap.java
*
/opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-
jar/com/opencsv/bean/FieldMapByPosition.java
* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-
jar/com/opencsv/bean/AbstractFieldMapEntry.java
* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-
jar/com/opencsv/bean/FieldMapByPositionEntry.java
* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-
jar/com/opencsv/bean/ComplexFieldMapEntry.java
* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-
jar/com/opencsv/bean/BeanFieldJoinStringIndex.java
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```
*/
```

```
/**
```

* <p>A very simple CSV parser released under a commercial-friendly license.

* This just implements splitting a single line into fields.</p>

```
*
```

* <p>The purpose of the CSVParser is to take a single string and parse it into

* its elements based on the delimiter, quote and escape characters.</p>

```
*
```

* <p>The CSVParser has grown organically based on user

requests and does not truly match

- * any current requirements (though it can be configured to match or come close). There
- * are no plans to change this as it will break existing requirements. Consider using
- * the RFC4180Parser for less configurability but closer match to the RFC4180 requirements.</p>
- *
- * @author Glen Smith
- * @author Rainer Pruy
- */

Found in path(s):

- * /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/com/opencsv/CSVParser.java
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- * /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/com/opencsv/CSVParserBuilder.java
- * /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/com/opencsv/ResultSetHelper.java
- * /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/com/opencsv/CSVReaderBuilder.java
- * /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/com/opencsv/ResultSetHelperService.java

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- * /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/com/opencsv/exceptions/CsvBadConverterException.java
- * /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/com/opencsv/exceptions/CsvRequiredFieldEmptyException.java
- * /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/CsvBindByPosition.java
- *
- /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/AbstractBeanField.java
- * /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/ConverterDate.java
- * /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/CsvToBeanBuilder.java
- * /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/util/OpencsvUtils.java
- * /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/com/opencsv/exceptions/CsvMalformedLineException.java
- * /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/com/opencsv/exceptions/CsvException.java
- * /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/ConverterPrimitiveTypes.java
- * /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/customconverter/package-info.java
- *
- /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/CsvCustomBindByName.java
- * /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/CsvDate.java
- * /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/customconverter/ConvertFrenchToBoolean.java
- * /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/com/opencsv/exceptions/CsvDataTypeMismatchException.java
- * /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/StatefulBeanToCsvBuilder.java
- * /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/com/opencsv/stream/reader/package-info.java
- * /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/CsvBindByName.java
- * /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-

```
jar/com/opencsv/exceptions/CsvConstraintViolationException.java
*
/opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/package-
info.java
* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-
jar/com/opencsv/exceptions/CsvRuntimeException.java
* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-
jar/com/opencsv/exceptions/CsvMultilineLimitBrokenException.java
* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-
jar/com/opencsv/bean/customconverter/ConvertGermanToBoolean.java
* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/com/opencsv/enums/package-
info.java
* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-
jar/com/opencsv/exceptions/package-info.java
* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-
jar/com/opencsv/exceptions/CsvBeanIntrospectionException.java
* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-
jar/com/opencsv/bean/CsvCustomBindByPosition.java
*
/opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-
jar/com/opencsv/bean/StatefulBeanToCsv.java
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```
*/
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* A very simple CSV reader released under a commercial-friendly license.

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*
```

* @author Glen Smith

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*/
```

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* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/com/opencsv/CSVReader.java
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```
*/opt/cola/permits/1460265720_1667461690.2601388/opencv-5-7-1-sources-
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*/opt/cola/permits/1460265720_1667461690.2601388/opencv-5-7-1-sources-
jar/com/opencv/ResultSetColumnNameHelperService.java
```

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* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/com/opencsv/CSVParserWriter.java

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* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/concurrent/ProcessCsvBean.java

* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/CsvConverter.java

* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/util/OrderedObject.java

*

/opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/CsvBindAndSplitByPosition.java

* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/BeanFieldSingleValue.java

* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/BeanFieldSplit.java

* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/CsvBindAndJoinByPosition.java

* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-

```
jar/com/opencsv/bean/concurrent/ProcessCsvLine.java
* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-
jar/com/opencsv/bean/CsvBindAndSplitByName.java
* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-
jar/com/opencsv/bean/concurrent/IntolerantThreadPoolExecutor.java
* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-
jar/com/opencsv/bean/concurrent/AccumulateCsvResults.java
*
```

```
/opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-
jar/com/opencsv/bean/FieldMapByNameEntry.java
* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-
jar/com/opencsv/bean/AbstractCsvConverter.java
* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-
jar/com/opencsv/bean/FieldMapByName.java
* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-
jar/com/opencsv/bean/BeanFieldJoin.java
* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-
jar/com/opencsv/bean/CsvBindAndJoinByName.java
```

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```

Found in path(s):

```
* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-
jar/convertLanguageToBoolean.properties
* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/opencsv_pt_BR.properties
* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/opencsv.properties
* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-
jar/convertLanguageToBoolean_en.properties
* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/opencsv_en.properties
* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-
jar/convertLanguageToBoolean_de.properties
*
/opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/opencsv_de.properties
```

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- */

Found in path(s):

* /opt/cola/permits/1460265720_1667461690.2601388/0/opencsv-5-7-1-sources-jar/com/opencsv/bean/HeaderColumnNameTranslateMappingStrategy.java

1.166 ssl-config-core_2.13 0.4.3

1.166.1 Available under license :

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Manifest-Version: 1.0
Automatic-Module-Name: ssl.config.core
Bnd-LastModified: 1616500617128
Bundle-Description: ssl-config-core
Bundle-License: <https://www.apache.org/licenses/LICENSE-2.0.txt>;description=Apache-2.0
Bundle-ManifestVersion: 2
Bundle-Name: ssl-config-core
Bundle-SymbolicName: com.typesafe.sslconfig
Bundle-Vendor: Lightbend
Bundle-Version: 0.4.3
Created-By: 1.8.0_272 (Oracle Corporation)
Export-Package: com.typesafe.sslconfig.ssl;version="0.4.3";uses:="com.typesafe.config,com.typesafe.sslconfig.util,javax.naming,ldap,javax.net.ssl,scala,scala.collection,scala.collection.immutable,scala.collection.mutable,scala.reflect,scala.runtime,scala.util.matching,scala.util.parsing.combinator,scala.util.parsing.input",com.typesafe.sslconfig.ssl.debug;version="0.4.3";uses:="com.typesafe.sslconfig.ssl,com.typesafe.sslconfig.util,scala,scala.collection.immutable,scala.reflect,scala.runtime",com.typesafe.sslconfig.ssl.tracing;version="0.4.3";uses:="com.typesafe.sslconfig.ssl,com.typesafe.sslconfig.util,javax.net.ssl,scala,scala.collection.immutable,scala.reflect,scala.runtime",com.typesafe.sslconfig.util;version="0.4.3";uses:="com.typesafe.config,scala,scala.collection.immutable,scala.concurrent.duration,scala.reflect"

Implementation-Title: ssl-config-core
Implementation-Vendor: Lightbend
Implementation-Vendor-Id: com.typesafe
Implementation-Version: 0.4.3
Import-Package: com.typesafe.config;version="[1.4.0,1.5.0)",com.typesa

```
fe.sslconfig.ssl;version="[0.4,1)",com.typesafe.sslconfig.ssl.tracing
;version="[0.4,1)",com.typesafe.sslconfig.util;version="[0.4,1)",java
x.crypto,javax.crypto.interfaces,javax.crypto.spec,javax.naming,javax
.naming.ldap,javax.net,javax.net.ssl,javax.security.auth.x500,scala;v
ersion="[2.13,3)",scala.collection;version="[2.13,3)",scala.collectio
n.immutable;version="[2.13,3)",scala.collection.mutable;version="[2.1
3,3)",scala.concurrent.duration;version="[2.13,3)",scala.reflect;vers
ion="[2.13,3)",scala.runtime;version="[2.13,3)",scala.runtime.java8;v
ersion="[2.13,3)",scala.util;version="[2.13,3)",scala.util.control;ve
rsion="[2.13,3)",scala.util.matching;version="[2.13,3)",scala.util.pa
rsing.combinator;version="[1.1,2)",scala.util.parsing.input;version="
[1.1,2)"
```

Private-Package: com.typesafe.sslconfig.*

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

"

Specification-Title: ssl-config-core

Specification-Vendor: Lightbend

Specification-Version: 0.4.3

Tool: Bnd-5.1.2.202007211702

Found in path(s):

* /opt/cola/permits/1472651401_1668436725.5751777/0/ssl-config-core-2-13-0-4-3-jar/META-INF/MANIFEST.MF

1.167 akka 2.6.19

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not-a-legal-formal-parameter-tuple.scala:2: error: not a legal formal parameter.

Note: Tuples cannot be directly deconstructed 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 deconstructed 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 deconstructed 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)
```

^

3 errors

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```
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```

```
<div class="version-notice">This is the specification of {{ site.versionCompareMessage }} version of Scala. See the <a href="{{ site.baseurl }}/../{{ site.latestScalaVersion }}">Scala {{ site.latestScalaVersion }} spec</a>.</div>
```

```
{% endif % }
```

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

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

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

2.1.3				
2.1.2	2002	PSF	yes	
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
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=====

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distlib has started off using some of the code from distutil2.

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Thanks to:

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1.170 zlib 1.2.13-r1

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1.171 jctools-core 4.0.1

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Manifest-Version: 1.0

Bnd-LastModified: 1662622707903

Build-Jdk-Spec: 11

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: 4.0.1

Created-By: Apache Maven Bundle Plugin 5.1.6

Export-Package: org.jctools.maps;version="4.0.1",org.jctools.util;uses:="sun.misc";version="4.0.1",org.jctools.queues;version="4.0.1",org.jctools.queues.atomic;uses:="org.jctools.queues";version="4.0.1",org.jctools.queues.unpadded;uses:="org.jctools.queues";version="4.0.1",org.jctools.counters;version="4.0.1"

Import-Package: sun.misc;resolution:=optional

Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.6))"

Tool: Bnd-6.2.0.202202251641

Found in path(s):

* /opt/cola/permits/1500645298_1670406227.9308958/0/jctools-core-4-0-1-jar/META-INF/MANIFEST.MF

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1.172 scala-java8-compat_2.13 1.0.0

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* /opt/cola/permits/1501108753_1670437016.7175815/0/scala-java8-compat-2-13-1-0-0-sources-2-jar/scala/compat/java8/ScalaStreamSupport.java
* /opt/cola/permits/1501108753_1670437016.7175815/0/scala-java8-compat-2-13-1-0-0-sources-2-jar/scala/compat/java8/wrappers/IteratorPrimitiveLongWrapper.java
* /opt/cola/permits/1501108753_1670437016.7175815/0/scala-java8-compat-2-13-1-0-0-sources-2-jar/scala/compat/java8/converterImpl/AccumulatorConverters.scala
* /opt/cola/permits/1501108753_1670437016.7175815/0/scala-java8-compat-2-13-1-0-0-sources-2-jar/scala/compat/java8/wrappers/IteratorPrimitiveDoubleWrapper.java
*
/opt/cola/permits/1501108753_1670437016.7175815/0/scala-java8-compat-2-13-1-0-0-sources-2-jar/scala/compat/java8/FutureConverters.scala
* /opt/cola/permits/1501108753_1670437016.7175815/0/scala-java8-compat-2-13-1-0-0-sources-2-jar/scala/compat/java8/converterImpl/Accumulates.scala
* /opt/cola/permits/1501108753_1670437016.7175815/0/scala-java8-compat-2-13-1-0-0-sources-2-jar/scala/compat/java8/StreamConverters.scala
* /opt/cola/permits/1501108753_1670437016.7175815/0/scala-java8-compat-2-13-1-0-0-sources-2-jar/scala/compat/java8/OptionConverters.scala
* /opt/cola/permits/1501108753_1670437016.7175815/0/scala-java8-compat-2-13-1-0-0-sources-2-jar/scala/compat/java8/DurationConverters.scala
* /opt/cola/permits/1501108753_1670437016.7175815/0/scala-java8-compat-2-13-1-0-0-sources-2-jar/scala/compat/java8/WrapperTraits.scala
* /opt/cola/permits/1501108753_1670437016.7175815/0/scala-java8-compat-2-13-1-0-0-sources-2-jar/scala/compat/java8/wrappers/IteratorPrimitiveIntWrapper.java
*
/opt/cola/permits/1501108753_1670437016.7175815/0/scala-java8-compat-2-13-1-0-0-sources-2-jar/scala/compat/java8/PrimitiveIteratorConversions.scala

1.173 scala-parser-combinators_2.13 1.1.2

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- * /opt/cola/permits/1501959099_1670507055.4540176/0/scala-parser-combinators-2-13-1-1-2-sources-1-jar/scala/util/parsing/combinator/ImplicitConversions.scala
- * /opt/cola/permits/1501959099_1670507055.4540176/0/scala-parser-combinators-2-13-1-1-2-sources-1-jar/scala/util/parsing/input/CharSequenceReader.scala
- * /opt/cola/permits/1501959099_1670507055.4540176/0/scala-parser-combinators-2-13-1-1-2-sources-1-jar/scala/util/parsing/json/Lexer.scala
- * /opt/cola/permits/1501959099_1670507055.4540176/0/scala-parser-combinators-2-13-1-1-2-sources-1-jar/scala/util/parsing/combinator/JavaTokenParsers.scala
- *
- /opt/cola/permits/1501959099_1670507055.4540176/0/scala-parser-combinators-2-13-1-1-2-sources-1-jar/scala/util/parsing/input/PositionCache.scala
- * /opt/cola/permits/1501959099_1670507055.4540176/0/scala-parser-combinators-2-13-1-1-2-sources-1-jar/scala/util/parsing/combinator/PackratParsers.scala
- * /opt/cola/permits/1501959099_1670507055.4540176/0/scala-parser-combinators-2-13-1-1-2-sources-1-jar/scala/util/parsing/input/PagedSeqReader.scala
- * /opt/cola/permits/1501959099_1670507055.4540176/0/scala-parser-combinators-2-13-1-1-2-sources-1-jar/scala/util/parsing/json/package.scala
- * /opt/cola/permits/1501959099_1670507055.4540176/0/scala-parser-combinators-2-13-1-1-2-sources-1-jar/scala/util/parsing/combinator/Parsers.scala
- * /opt/cola/permits/1501959099_1670507055.4540176/0/scala-parser-combinators-2-13-1-1-2-sources-1-jar/scala/util/parsing/input/Position.scala
- *
- /opt/cola/permits/1501959099_1670507055.4540176/0/scala-parser-combinators-2-13-1-1-2-sources-1-jar/scala/util/parsing/combinator/syntactical/StdTokenParsers.scala
- * /opt/cola/permits/1501959099_1670507055.4540176/0/scala-parser-combinators-2-13-1-1-2-sources-1-jar/scala/util/parsing/combinator/lexical/Scanners.scala
- * /opt/cola/permits/1501959099_1670507055.4540176/0/scala-parser-combinators-2-13-1-1-2-sources-1-jar/scala/util/parsing/combinator/lexical/StdLexical.scala
- * /opt/cola/permits/1501959099_1670507055.4540176/0/scala-parser-combinators-2-13-1-1-2-sources-1-jar/scala/util/parsing/combinator/token/Tokens.scala
- * /opt/cola/permits/1501959099_1670507055.4540176/0/scala-parser-combinators-2-13-1-1-2-sources-1-jar/scala/util/parsing/combinator/lexical/Lexical.scala
- * /opt/cola/permits/1501959099_1670507055.4540176/0/scala-parser-combinators-2-13-1-1-2-sources-1-jar/scala/util/parsing/input/Positional.scala
- * /opt/cola/permits/1501959099_1670507055.4540176/0/scala-parser-combinators-2-13-1-1-2-sources-1-jar/scala/util/parsing/input/StreamReader.scala
- *

```
/opt/cola/permits/1501959099_1670507055.4540176/0/scala-parser-combinators-2-13-1-1-2-sources-1-
jar/scala/util/parsing/combinator/RegexParsers.scala
* /opt/cola/permits/1501959099_1670507055.4540176/0/scala-parser-combinators-2-13-1-1-2-sources-1-
jar/scala/util/parsing/json/JSON.scala
* /opt/cola/permits/1501959099_1670507055.4540176/0/scala-parser-combinators-2-13-1-1-2-sources-1-
jar/scala/util/parsing/combinator/syntactical/TokenParsers.scala
* /opt/cola/permits/1501959099_1670507055.4540176/0/scala-parser-combinators-2-13-1-1-2-sources-1-
jar/scala/util/parsing/input/CharArrayReader.scala
* /opt/cola/permits/1501959099_1670507055.4540176/0/scala-parser-combinators-2-13-1-1-2-sources-1-
jar/scala/util/parsing/input/OffsetPosition.scala
* /opt/cola/permits/1501959099_1670507055.4540176/0/scala-parser-combinators-2-13-1-1-2-sources-1-
jar/scala/util/parsing/combinator/syntactical/StandardTokenParsers.scala
* /opt/cola/permits/1501959099_1670507055.4540176/0/scala-parser-combinators-2-13-1-1-2-sources-1-
jar/scala/util/parsing/combinator/token/StdTokens.scala
*
/opt/cola/permits/1501959099_1670507055.4540176/0/scala-parser-combinators-2-13-1-1-2-sources-1-
jar/scala/util/parsing/input/PagedSeq.scala
* /opt/cola/permits/1501959099_1670507055.4540176/0/scala-parser-combinators-2-13-1-1-2-sources-1-
jar/scala/util/parsing/json/Parser.scala
* /opt/cola/permits/1501959099_1670507055.4540176/0/scala-parser-combinators-2-13-1-1-2-sources-1-
jar/scala/util/parsing/combinator/SubSequence.scala
* /opt/cola/permits/1501959099_1670507055.4540176/0/scala-parser-combinators-2-13-1-1-2-sources-1-
jar/scala/util/parsing/input/ScalaVersionSpecificPagedSeq.scala
* /opt/cola/permits/1501959099_1670507055.4540176/0/scala-parser-combinators-2-13-1-1-2-sources-1-
jar/scala/util/parsing/input/Reader.scala
```

1.174 scala-reflect 2.13.10

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1.175 akka-actor_2.13 2.6.19

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```
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-  
jar/com/google/protobuf/Message.java  
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-  
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jar/com/google/protobuf/FloatArrayList.java
*

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* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/LazyFieldLite.java
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/google/protobuf/api.proto
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/google/protobuf/empty.proto
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/MapEntryLite.java
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/NewInstanceSchemas.java
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/CompileTimeConstant.java
*
/opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/JavaType.java
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/Writer.java
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/DynamicMessage.java
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/NioByteString.java
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/ProtobufLists.java
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/UnknownFieldSchema.java
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/BinaryReader.java
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/MessageSchema.java
*
/opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/ExtensionSchemaLite.java
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/google/protobuf/wrappers.proto
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/RpcCallback.java
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/RpcController.java
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/AbstractParser.java
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-

```

jar/com/google/protobuf/MessageReflection.java
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/MapEntry.java
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/UnsafeUtil.java
*
/opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/google/protobuf/compiler/plugin.proto
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/Android.java
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/RepeatedFieldBuilder.java
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/TextFormatEscaper.java
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/GeneratedMessageV3.java
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/AbstractMessage.java
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/MapFieldSchemaLite.java
*
/opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/FieldSet.java
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/IntArrayList.java
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/SingleFieldBuilderV3.java
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/ProtoSyntax.java
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/google/protobuf/descriptor.proto
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/MapFieldSchema.java
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/GeneratedMessage.java
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/Descriptors.java
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/MessageLite.java
*
/opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/CodedInputStream.java
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/AbstractProtobufList.java
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/NewInstanceSchemaLite.java
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/NewInstanceSchemaFull.java

* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
 jar/com/google/protobuf/ProtobufArrayList.java
 * /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
 jar/com/google/protobuf/UnknownFieldSetLite.java
 * /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
 jar/com/google/protobuf/GeneratedMessageLite.java
 *
 /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
 jar/com/google/protobuf/TextFormatParseInfoTree.java
 * /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
 jar/com/google/protobuf/BooleanArrayList.java
 * /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
 jar/com/google/protobuf/DescriptorMessageInfoFactory.java
 * /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
 jar/com/google/protobuf/Reader.java
 * /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
 jar/com/google/protobuf/MessageInfo.java
 * /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
 jar/com/google/protobuf/NewInstanceSchema.java
 * /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
 jar/com/google/protobuf/AllocatedBuffer.java
 * /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
 jar/com/google/protobuf/ServiceException.java
 *
 /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
 jar/com/google/protobuf/RpcUtil.java
 * /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
 jar/com/google/protobuf/UninitializedMessageException.java
 * /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
 jar/com/google/protobuf/BlockingRpcChannel.java
 * /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
 jar/com/google/protobuf/MessageSetSchema.java
 * /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
 jar/com/google/protobuf/Utf8.java
 * /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
 jar/com/google/protobuf/UnknownFieldSetLiteSchema.java
 * /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
 jar/com/google/protobuf/DoubleArrayList.java
 * /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
 jar/com/google/protobuf/InlineMe.java
 *
 /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
 jar/com/google/protobuf/ExtensionLite.java
 * /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
 jar/com/google/protobuf/Parser.java
 * /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
 jar/com/google/protobuf/ByteOutput.java
 * /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-

```

jar/google/protobuf/type.proto
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/RepeatedFieldBuilderV3.java
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/MutabilityOracle.java
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/UnknownFieldSet.java
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/ExtensionSchemaFull.java
*
/opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/LazyField.java
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/Service.java
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/google/protobuf/timestamp.proto
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/ListFieldSchema.java
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/PrimitiveNonBoxingCollection.java
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/WireFormat.java
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/InvalidProtocolBufferException.java
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/google/protobuf/source_context.proto
*
/opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/com/google/protobuf/LazyStringList.java
* /opt/cola/permits/1521222018_1672206959.0969713/0/protobuf-java-3-21-12-sources-
jar/google/protobuf/field_mask.proto

```

1.179 protobuf-java-util 3.21.12

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

Manifest-Version: 1.0

Automatic-Module-Name: com.google.protobuf.util

Bnd-LastModified: 1671050288830

Build-Jdk: 11.0.13

Built-By: kfm

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: 3.21.12
Created-By: Apache Maven Bundle Plugin
Export-Package: com.google.protobuf.util;version="3.21.12";uses:="com.google.protobuf,javax.annotation"
Import-Package: com.google.common.base;version="[31.1,32)",com.google.common.io;version="[31.1,32)",com.google.common.math;version="[31.1,32)",com.google.common.primitives;version="[31.1,32)",com.google.gson;version="[2.8,3)",com.google.gson.stream;version="[2.8,3)",com.google.protobuf;version="[3.21,4)",javax.annotation;version="[3.0,4)"
Require-Capability:
osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.7))"
Tool: Bnd-3.0.0.201509101326

Found in path(s):

* /opt/cola/permits/1528958162_1673434355.07393/0/protobuf-java-util-3-21-12-jar/META-INF/MANIFEST.MF

1.180 prometheus-client 0.2.0

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1.181 jline 3.22

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1.182 shiro-lang 1.11.0

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The implementation for `org.apache.shiro.util.SoftHashMap` is based
on initial ideas from Dr. Heinz Kabutz's publicly posted version
available at <http://www.javaspecialists.eu/archive/Issue015.html>,
with continued modifications.

Certain parts (`StringUtils`, `IpAddressMatcher`, etc.) of the source
code for this product was copied for simplicity and to reduce
dependencies from the source code developed by the Spring Framework
Project (<http://www.springframework.org>).

1.183 shiro-cache 1.11.0

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The implementation for `org.apache.shiro.util.SoftHashMap` is based on initial ideas from Dr. Heinz Kabutz's publicly posted version available at <http://www.javaspecialists.eu/archive/Issue015.html>, with continued modifications.

Certain parts (StringUtils, IPAddressMatcher, etc.) of the source code for this product was copied for simplicity and to reduce dependencies from the source code developed by the Spring Framework Project (<http://www.springframework.org>).

1.191 jakarta-servlet-api 6.0.0

1.191.1 Available under license :

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/opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/annotation/ServletSecurity\$TransportGuarantee.class: binary file matches

Found in path(s):

* /bin/grep

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Used in: user

Found in path(s):

* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/web-app_2_3.dtd

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Found in path(s):

```
* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/web-app_2_2.dtd
```

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* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/descriptor/package.html

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* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/web-jsptaglibrary_3_0.xsd

* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/jakartaee_9.xsd

* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/jsp_3_0.xsd

* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/web-fragment_5_0.xsd

* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/web-app_5_0.xsd

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* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/http/package.html

* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/package.html

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* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/web-jsptaglibrary_1_2.dtd

* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/web-jsptaglibrary_1_1.dtd

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* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/web-jsptaglibrary_3_1.xsd

* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/web-fragment_6_0.xsd

* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/web-app_6_0.xsd

* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/jakartaee_10.xsd

* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/jakartaee_web_services_client_2_0.xsd

*

/opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/jsp_3_1.xsd

* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/jakartaee_web_services_2_0.xsd

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<xsd:enumeration value="CONFIDENTIAL"/>

Found in path(s):

* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/web-common_6_0.xsd

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* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/LocalStrings_ja.properties

* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/http/LocalStrings_fr.properties

* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/http/LocalStrings_ja.properties

* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/http/LocalStrings_es.properties

* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/LocalStrings_fr.properties

*

/opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/http/LocalStrings.properties

* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/LocalStrings.properties

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<xsd:enumeration value="CONFIDENTIAL"/>

Found in path(s):

* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/web-common_5_0.xsd

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Manifest-Version: 1.0

Created-By: Apache Maven Bundle Plugin

Build-Jdk-Spec: 11

Bnd-LastModified: 1652339954197

Build-Jdk: 11.0.2

Built-By: jenkins

Bundle-Description: Jakarta Servlet 6.0

Bundle-DocURL: <https://www.eclipse.org>

Bundle-License: <http://www.eclipse.org/legal/epl-2.0>, <https://www.gnu.org/software/classpath/license.html>

Bundle-ManifestVersion: 2

Bundle-Name: Jakarta Servlet

Bundle-SymbolicName: jakarta.servlet-api

Bundle-Vendor: Eclipse Foundation

Bundle-Version: 6.0.0

Export-Package: jakarta.servlet;uses:="jakarta.servlet.annotation,jakarta.servlet.descriptor";version="6.0.0",jakarta.servlet.annotation;uses:="jakarta.servlet";version="6.0.0",jakarta.servlet.descriptor;version="6.0.0",jakarta.servlet.http;uses:="jakarta.servlet";version="6.0.0",jakarta.servlet.resources;version="6.0.0"

Extension-Name: jakarta.servlet

Implementation-Vendor: Eclipse Foundation

Implementation-Vendor-Id: org.eclipse

Implementation-Version:

6.0.0

Import-Package: jakarta.servlet,jakarta.servlet.annotation,jakarta.servlet.descriptor

Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=11))"

Specification-Vendor: Eclipse Foundation

Specification-Version: 6.0

Tool: Bnd-5.1.1.202006162103

Found in path(s):

* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/META-INF/MANIFEST.MF

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* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/annotation/package.html

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Found in path(s):

* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/web-fragment_3_1.xsd

* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/web-app_3_1.xsd

*

/opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/jsp_2_1.xsd

* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/javaee_web_services_client_1_3.xsd

* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/jsp_2_3.xsd

* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/web-fragment_4_0.xsd

* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/javaee_5.xsd
* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/javaee_web_services_client_1_4.xsd
* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/javaee_web_services_1_4.xsd
* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/web-jsptaglibrary_2_0.xsd
*
/opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/javaee_web_services_client_1_2.xsd
* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/javaee_web_services_1_2.xsd
* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/web-app_2_5.xsd
* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/j2ee_1_4.xsd
* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/web-app_3_0.xsd
* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/web-jsptaglibrary_2_1.xsd
* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/javaee_8.xsd
*
/opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/web-app_4_0.xsd
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* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/javaee_web_services_1_3.xsd
* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/web-common_3_0.xsd
* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/web-app_2_4.xsd
* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/javaee_6.xsd
*
/opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/web-common_4_0.xsd
* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/jsp_2_2.xsd
* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/j2ee_web_services_client_1_1.xsd
* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/web-

fragment_3_0.xsd

* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/web-common_3_1.xsd

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<![CDATA[

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Found in path(s):

* /opt/cola/permits/1561981000_1676056743.3401368/0/jakarta-servlet-api-6-0-0-jar/META-INF/maven/jakarta.servlet/jakarta.servlet-api/pom.xml

1.192 jopt-simple 6.0-alpha-3

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* /opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-jar/META-INF/maven/net.sf.jopt-simple/jopt-simple/pom.xml

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Found in path(s):

* /opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-jar/joptsimple/internal/OptionNameMap.java

* /opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-jar/joptsimple/OptionSpecTokenizer.java

* /opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-jar/joptsimple/HelpFormatter.java

* /opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-jar/joptsimple/OptionSet.java

* /opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-jar/joptsimple/AlternativeLongOptionSpec.java

* /opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-jar/joptsimple/ArgumentList.java

* /opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-jar/joptsimple/OptionParser.java

*

/opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-jar/joptsimple/ValueConverter.java

* /opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-jar/joptsimple/OptionSpec.java

* /opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-jar/joptsimple/BuiltinHelpFormatter.java

* /opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-jar/joptsimple/internal/Reflection.java
* /opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-jar/joptsimple/RequiredArgumentOptionSpec.java
* /opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-jar/joptsimple/NonOptionArgumentSpec.java
* /opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-jar/joptsimple/MultipleArgumentsForOptionException.java
* /opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-jar/joptsimple/OptionSpecBuilder.java
*
/opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-jar/joptsimple/ValueConversionException.java
* /opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-jar/joptsimple/internal/Rows.java
* /opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-jar/joptsimple/internal/SimpleOptionNameMap.java
* /opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-jar/joptsimple/internal/AbbreviationMap.java
* /opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-jar/joptsimple/internal/MethodInvokingValueConverter.java
* /opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-jar/joptsimple/MissingRequiredOptionsException.java
* /opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-jar/joptsimple/internal/ConstructorInvokingValueConverter.java
*
/opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-jar/joptsimple/internal/Columns.java
* /opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-jar/joptsimple/ArgumentAcceptingOptionSpec.java
* /opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-jar/joptsimple/internal/Strings.java
* /opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-jar/joptsimple/util/DateConverter.java
* /opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-jar/joptsimple/OptionException.java
* /opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-jar/joptsimple/UnavailableOptionException.java
* /opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-jar/joptsimple/internal/Classes.java
* /opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-jar/joptsimple/NoArgumentOptionSpec.java
*
/opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-jar/joptsimple/OptionArgumentConversionException.java
* /opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-jar/joptsimple/util/InetAddressConverter.java
* /opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-

jar/joptsimple/AbstractOptionSpec.java
* /opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-
jar/joptsimple/util/KeyValuePair.java
* /opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-
jar/joptsimple/OptionDescriptor.java
* /opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-
jar/joptsimple/OptionMissingRequiredArgumentException.java
* /opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-
jar/joptsimple/UnrecognizedOptionException.java
* /opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-
jar/joptsimple/OptionalArgumentOptionSpec.java
*
/opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-
jar/joptsimple/internal/Row.java
* /opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-
jar/joptsimple/util/RegexMatcher.java
* /opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-
jar/joptsimple/ParserRules.java
* /opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-
jar/joptsimple/internal/ReflectionException.java
* /opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-
jar/joptsimple/OptionParserState.java
* /opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-
jar/joptsimple/UnconfiguredOptionException.java
* /opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-
jar/joptsimple/internal/Messages.java
* /opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-
jar/joptsimple/IllegalOptionSpecificationException.java

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Found in path(s):

* /opt/cola/permits/1567166084_1676533201.0730875/0/jopt-simple-6-0-alpha-3-sources-2-jar/joptsimple/util/EnumConverter.java

1.193 gson 2.10.1

1.193.1 Available under license :

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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>

Bundle-License: "Apache-2.0";link="https://www.apache.org/licenses/LICENSE-2.0.txt"

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:git:https://github.com/google/gson.git/gson",developer-connection="scm:git:git@github.com:google/gson.git/gson",tag="gson-parent-2.10.1"

Bundle-SymbolicName: com.google.gson

Bundle-Vendor: Google Gson Project

Bundle-Version: 2.10.1

Export-Package: com.google.gson;uses:="com.google.gson.reflect,com.google.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;version="2.10.1"

Import-Package: sun.misc;resolution:=optional,com.google.gson.annotations

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

Tool: Bnd-6.4.0.202211291949

Multi-Release: true

Found in path(s):

* /opt/cola/permits/1570533427_1676891842.8285189/0/gson-2-10-1-jar/META-INF/MANIFEST.MF

1.194 argparse 0.9.0

1.194.1 Available under license :

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1.195 arrow-memory-core 10.0.1

1.195.1 Available under license :

Arrow Memory - Core

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1.196 proto-google-common-protos 2.9.0

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```

Found in path(s):

```
* /opt/cola/permits/1572890195_1677106955.5681205/0/proto-google-common-protos-2-9-0-1-  
jar/google/api/launch_stage.proto
```

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```
* /opt/cola/permits/1572890195_1677106955.5681205/0/proto-google-common-protos-2-9-0-1-  
jar/google/api/usage.proto
```

```
* /opt/cola/permits/1572890195_1677106955.5681205/0/proto-google-common-protos-2-9-0-1-  
jar/google/api/endpoint.proto
```

```
* /opt/cola/permits/1572890195_1677106955.5681205/0/proto-google-common-protos-2-9-0-1-  
jar/google/api/service.proto
```

```
* /opt/cola/permits/1572890195_1677106955.5681205/0/proto-google-common-protos-2-9-0-1-  
jar/google/api/consumer.proto
```

```
* /opt/cola/permits/1572890195_1677106955.5681205/0/proto-google-common-protos-2-9-0-1-  
jar/google/api/distribution.proto
```

* /opt/cola/permits/1572890195_1677106955.5681205/0/proto-google-common-protos-2-9-0-1-jar/google/api/error_reason.proto
*
/opt/cola/permits/1572890195_1677106955.5681205/0/proto-google-common-protos-2-9-0-1-jar/google/api/context.proto
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Brian Goff <cpuguy83@gmail.com>

Clayton Coleman <ccoleman@redhat.com>

Denis Smirnov <denis.smirnov.91@gmail.com>

DongYun Kang <ceram1000@gmail.com>

Dwayne Schultz <dschultz@pivotal.io>

Georg Apitz <gapitz@pivotal.io>

Gustav Paul <gustav.paul@gmail.com>

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1.205 snake-yaml 2.0

1.205.1 Available under license :

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```
/**
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 */
```

Found in path(s):

```
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
jar/org/yaml/snakeyaml/representer/SafeRepresenter.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
jar/org/yaml/snakeyaml/parser/Parser.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
jar/org/yaml/snakeyaml/env/EnvScalarConstructor.java
*
/opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
jar/org/yaml/snakeyaml/nodes/ScalarNode.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
jar/org/yaml/snakeyaml/tokens/ValueToken.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
```

jar/org/yaml/snakeyaml/events/StreamEndEvent.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
jar/org/yaml/snakeyaml/constructor/AbstractConstruct.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
jar/org/yaml/snakeyaml/events/CollectionEndEvent.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
jar/org/yaml/snakeyaml/emitter/ScalarAnalysis.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
jar/org/yaml/snakeyaml/events/AliasEvent.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
jar/org/yaml/snakeyaml/events/ScalarEvent.java
*
/opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
jar/org/yaml/snakeyaml/emitter/EmitterState.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
jar/org/yaml/snakeyaml/tokens/DirectiveToken.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
jar/org/yaml/snakeyaml/events/StreamStartEvent.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
jar/org/yaml/snakeyaml/events/CommentEvent.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
jar/org/yaml/snakeyaml/tokens/AliasToken.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
jar/org/yaml/snakeyaml/constructor/Construct.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
jar/org/yaml/snakeyaml/events/ImplicitTuple.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
jar/org/yaml/snakeyaml/constructor/CustomClassLoaderConstructor.java
*
/opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
jar/org/yaml/snakeyaml/introspector/Property.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
jar/org/yaml/snakeyaml/parser/Production.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
jar/org/yaml/snakeyaml/resolver/ResolverTuple.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
jar/org/yaml/snakeyaml/scanner/Scanner.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
jar/org/yaml/snakeyaml/composer/ComposerException.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
jar/org/yaml/snakeyaml/nodes/MappingNode.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
jar/org/yaml/snakeyaml/emitter/Emitable.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
jar/org/yaml/snakeyaml/tokens/FlowMappingEndToken.java
*
/opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
jar/org/yaml/snakeyaml/DumperOptions.java

* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/tokens/FlowSequenceEndToken.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/nodes/AnchorNode.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/representer/Represent.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/nodes/Node.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/tokens/FlowMappingStartToken.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/reader/ReaderException.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/constructor/SafeConstructor.java
*
/opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/scanner/Constant.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/nodes/NodeId.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/serializer/AnchorGenerator.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/tokens/DocumentEndToken.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/parser/ParserImpl.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/tokens/ScalarToken.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/introspector/MethodProperty.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/events/CollectionStartEvent.java
*
/opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/util/UriEncoder.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/reader/UnicodeReader.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/tokens/BlockMappingStartToken.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/nodes/CollectionNode.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/tokens/StreamStartToken.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/tokens/DocumentStartToken.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/tokens/BlockSequenceStartToken.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/constructor/ConstructorException.java

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*
/opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
jar/org/yaml/snakeyaml/events/SequenceStartEvent.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
jar/org/yaml/snakeyaml/representer/BaseRepresenter.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
jar/org/yaml/snakeyaml/events/SequenceEndEvent.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
jar/org/yaml/snakeyaml/util/PlatformFeatureDetector.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
jar/org/yaml/snakeyaml/parser/VersionTagsTuple.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/Yaml.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
jar/org/yaml/snakeyaml/inspector/UnTrustedTagInspector.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
jar/org/yaml/snakeyaml/parser/ParserException.java
*
/opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
jar/org/yaml/snakeyaml/error/MarkedYAMLException.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
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jar/org/yaml/snakeyaml/serializer/Serializer.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
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* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
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* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
jar/org/yaml/snakeyaml/inspector/TrustedPrefixesTagInspector.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
jar/org/yaml/snakeyaml/tokens/BlockEndToken.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
jar/org/yaml/snakeyaml/serializer/SerializerException.java

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* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/error/Mark.java
*
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* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/error/YAMLEException.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/events/DocumentEndEvent.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/emitter/Emitter.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/events/MappingEndEvent.java
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* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/util/EnumUtils.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/TypeDescription.java
*
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* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/tokens/FlowSequenceStartToken.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/nodes/SequenceNode.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/resolver/Resolver.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/inspector/TagInspector.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/constructor/Constructor.java
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* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/events/DocumentStartEvent.java
*
/opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/tokens/FlowEntryToken.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/comments/CommentEventsCollector.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/tokens/TagToken.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/tokens/Token.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/serializer/NumberAnchorGenerator.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-

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jar/org/yaml/snakeyaml/error/MissingEnvironmentVariableException.java
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* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
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* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
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* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
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jar/org/yaml/snakeyaml/constructor/DuplicateKeyException.java
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jar/org/yaml/snakeyaml/extensions/compactnotation/CompactConstructor.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
jar/org/yaml/snakeyaml/comments/CommentType.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
jar/org/yaml/snakeyaml/introspector/GenericProperty.java

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 */
```

Found in path(s):

```
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
jar/org/yaml/snakeyaml/external/com/google/gdata/util/common/base/Escaper.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
jar/org/yaml/snakeyaml/external/com/google/gdata/util/common/base/PercentEscaper.java
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
jar/org/yaml/snakeyaml/external/com/google/gdata/util/common/base/UnicodeEscaper.java
```

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```

Found in path(s):

```
* /opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-jar/META-
INF/maven/org.yaml/snakeyaml/pom.xml
```

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/**
 * A Base64 encoder/decoder.
 *
 * <p>
 * This class is used to encode and decode data in Base64 format as described in RFC 1521.
 *
 * <p>
 * Project home page: <a href="http://www.source-code.biz/base64coder/java/">www.
 * source-code.biz/base64coder/java</a><br>
 * Author: Christian d'Heureuse, Inventec Informatik AG, Zurich, Switzerland<br>
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 */
```

Found in path(s):

```
*/opt/cola/permits/1584157893_1677999786.1262538/0/snakeyaml-2-0-sources-
jar/org/yaml/snakeyaml/external/biz/base64Coder/Base64Coder.java
```

1.206 log4j-layout-template-json 2.20.0

1.206.1 Available under license :

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1.207 jose4j 0.9.3

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Found in path(s):

```
* /opt/cola/permits/1587692654_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/lang/StringUtil.java
* /opt/cola/permits/1587692654_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/jwa/AlgorithmAvailability.java
* /opt/cola/permits/1587692654_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/jwe/AesGcmContentEncryptionAlgorithm.java
*
* /opt/cola/permits/1587692654_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/keys/resolvers/DecryptionKeyResolver.java
* /opt/cola/permits/1587692654_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/jwt/consumer/JwtConsumer.java
* /opt/cola/permits/1587692654_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/jwe/ContentEncryptionParts.java
* /opt/cola/permits/1587692654_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/http/SimpleGet.java
* /opt/cola/permits/1587692654_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/json/JsonUtil.java
* /opt/cola/permits/1587692654_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/jwe/Pbes2HmacShaWithAesKeyWrapAlgorithm.java
* /opt/cola/permits/1587692654_1678323499.4437757/0/jose4j-0-9-3-sources-
```

jar/org/jose4j/lang/UnresolvableKeyException.java
 * /opt/cola/permits/1587692654_1678323499.4437757/0/jose4j-0-9-3-sources-
 jar/org/jose4j/keys/resolvers/X509VerificationKeyResolver.java
 *
 /opt/cola/permits/1587692654_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/jwe/CipherUtil.java
 * /opt/cola/permits/1587692654_1678323499.4437757/0/jose4j-0-9-3-sources-
 jar/org/jose4j/jwt/consumer/AudValidator.java
 * /opt/cola/permits/1587692654_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/keys/KeyPairUtil.java
 * /opt/cola/permits/1587692654_1678323499.4437757/0/jose4j-0-9-3-sources-
 jar/org/jose4j/lang/InvalidAlgorithmException.java
 * /opt/cola/permits/1587692654_1678323499.4437757/0/jose4j-0-9-3-sources-
 jar/org/jose4j/jwe/AesCbcHmacSha2ContentEncryptionAlgorithm.java
 * /opt/cola/permits/1587692654_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/http/Get.java
 * /opt/cola/permits/1587692654_1678323499.4437757/0/jose4j-0-9-3-sources-
 jar/org/jose4j/lang/DefaultByteGenerator.java
 * /opt/cola/permits/1587692654_1678323499.4437757/0/jose4j-0-9-3-sources-
 jar/org/jose4j/jws/JsonWebSignatureAlgorithm.java
 * /opt/cola/permits/1587692654_1678323499.4437757/0/jose4j-0-9-3-sources-
 jar/org/jose4j/jws/RsaUsingShaAlgorithm.java
 *
 /opt/cola/permits/1587692654_1678323499.4437757/0/jose4j-0-9-3-sources-
 jar/org/jose4j/jwe/InitializationVectorHelp.java
 * /opt/cola/permits/1587692654_1678323499.4437757/0/jose4j-0-9-3-sources-
 jar/org/jose4j/jwt/consumer/JwtContext.java
 * /opt/cola/permits/1587692654_1678323499.4437757/0/jose4j-0-9-3-sources-
 jar/org/jose4j/keys/resolvers/VerificationKeyResolver.java
 * /opt/cola/permits/1587692654_1678323499.4437757/0/jose4j-0-9-3-sources-
 jar/org/jose4j/jwk/EllipticCurveJsonWebKey.java
 * /opt/cola/permits/1587692654_1678323499.4437757/0/jose4j-0-9-3-sources-
 jar/org/jose4j/jwx/CompactSerialization.java
 * /opt/cola/permits/1587692654_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/jwt/JwtClaims.java
 * /opt/cola/permits/1587692654_1678323499.4437757/0/jose4j-0-9-3-sources-
 jar/org/jose4j/jca/ProviderContext.java
 * /opt/cola/permits/1587692654_1678323499.4437757/0/jose4j-0-9-3-sources-
 jar/org/jose4j/lang/JoseException.java
 *
 /opt/cola/permits/1587692654_1678323499.4437757/0/jose4j-0-9-3-sources-
 jar/org/jose4j/jwa/AlgorithmFactoryFactory.java
 * /opt/cola/permits/1587692654_1678323499.4437757/0/jose4j-0-9-3-sources-
 jar/org/jose4j/jwe/AesKeyWrapManagementAlgorithm.java
 * /opt/cola/permits/1587692654_1678323499.4437757/0/jose4j-0-9-3-sources-
 jar/org/jose4j/jws/UnsecuredNoneAlgorithm.java
 * /opt/cola/permits/1587692654_1678323499.4437757/0/jose4j-0-9-3-sources-
 jar/org/jose4j/jwe/ContentEncryptionHelp.java
 * /opt/cola/permits/1587692654_1678323499.4437757/0/jose4j-0-9-3-sources-
 jar/org/jose4j/jwa/AlgorithmConstraints.java
 * /opt/cola/permits/1587692654_1678323499.4437757/0/jose4j-0-9-3-sources-
 jar/org/jose4j/jwt/consumer/ErrorCodeValidator.java

* /opt/cola/permits/1587692654_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/jws/AlgorithmIdentifiers.java
 * /opt/cola/permits/1587692654_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/jwe/KeyManagementAlgorithmIdentifiers.java
 *
 /opt/cola/permits/1587692654_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/jwt/consumer/JwsCustomizer.java
 * /opt/cola/permits/1587692654_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/jwt/consumer/InvalidJwtException.java
 * /opt/cola/permits/1587692654_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/keys/PbkdfKey.java
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 * /opt/cola/permits/1587692654_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/jwe/ContentEncryptionKeys.java
 * /opt/cola/permits/1587692654_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/base64url/Base64Url.java
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1.208 jetty-client 9.4.51.v20230217

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The following artifacts are EPL.

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

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

The following artifacts are EPL and CDDL 1.0.

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

Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.

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

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

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

- * java.sun.security.ssl

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

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

OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of <http://asm.ow2.org/license.html>

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

Apache

The following artifacts are ASL2 licensed.

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

MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

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

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

Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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

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1.209 jetty-util 9.4.51.v20230217

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

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

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

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

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

- * java.sun.security.ssl

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

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

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

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

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

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

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

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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

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1.210 msgpack 1.0.5

1.210.1 Available under license :

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1.211 config 1.4.2

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1.212 vertx-grpc 4.3.2

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jar/org/forgerock/i18n/slf4j/LocalizedLoggerFactory.java
*/opt/cola/permits/1613031661_1680235541.8093038/0/slf4j-2-0-7-sources-jar/org/forgerock/i18n/slf4j/package-
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Found in path(s):

```
*/opt/cola/permits/1613031661_1680235541.8093038/0/slf4j-2-0-7-sources-
jar/org/forgerock/i18n/slf4j/LocalizedMarker.java
```

1.214 jettison 1.5.4

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1.215 commons-compress 1.23.0

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1.216 metrics 4.2.18

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1.217 json-smart 2.4.10

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- * /opt/cola/permits/1619377352_1680083027.7224898/0/json-smart-2-4-10-sources-jar/net/minidev/json/JSONStyle.java
- * /opt/cola/permits/1619377352_1680083027.7224898/0/json-smart-2-4-10-sources-jar/net/minidev/json/parser/JSONParserByteArray.java
- * /opt/cola/permits/1619377352_1680083027.7224898/0/json-smart-2-4-10-sources-jar/net/minidev/json/writer/JsonReader.java
- *
- /opt/cola/permits/1619377352_1680083027.7224898/0/json-smart-2-4-10-sources-jar/net/minidev/json/parser/ParseException.java
- * /opt/cola/permits/1619377352_1680083027.7224898/0/json-smart-2-4-10-sources-jar/net/minidev/json/writer/BeansMapper.java
- * /opt/cola/permits/1619377352_1680083027.7224898/0/json-smart-2-4-10-sources-jar/net/minidev/json/JSONAware.java
- * /opt/cola/permits/1619377352_1680083027.7224898/0/json-smart-2-4-10-sources-jar/net/minidev/json/JSONStreamAware.java
- * /opt/cola/permits/1619377352_1680083027.7224898/0/json-smart-2-4-10-sources-jar/net/minidev/json/writer/DefaultMapperOrdered.java
- * /opt/cola/permits/1619377352_1680083027.7224898/0/json-smart-2-4-10-sources-jar/net/minidev/json/JSONStreamAwareEx.java
- * /opt/cola/permits/1619377352_1680083027.7224898/0/json-smart-2-4-10-sources-jar/net/minidev/json/JSONValue.java
- * /opt/cola/permits/1619377352_1680083027.7224898/0/json-smart-2-4-10-sources-jar/net/minidev/json/writer/CollectionMapper.java
- *

```
/opt/cola/permits/1619377352_1680083027.7224898/0/json-smart-2-4-10-sources-
jar/net/minidev/json/parser/JSONParserReader.java
* /opt/cola/permits/1619377352_1680083027.7224898/0/json-smart-2-4-10-sources-
jar/net/minidev/json/JSONObject.java
* /opt/cola/permits/1619377352_1680083027.7224898/0/json-smart-2-4-10-sources-
jar/net/minidev/json/parser/JSONParser.java
* /opt/cola/permits/1619377352_1680083027.7224898/0/json-smart-2-4-10-sources-
jar/net/minidev/json/JSONAwareEx.java
* /opt/cola/permits/1619377352_1680083027.7224898/0/json-smart-2-4-10-sources-
jar/net/minidev/json/parser/JSONParserString.java
* /opt/cola/permits/1619377352_1680083027.7224898/0/json-smart-2-4-10-sources-
jar/net/minidev/json/JSONArray.java
* /opt/cola/permits/1619377352_1680083027.7224898/0/json-smart-2-4-10-sources-
jar/net/minidev/json/parser/JSONParserInputStream.java
* /opt/cola/permits/1619377352_1680083027.7224898/0/json-smart-2-4-10-sources-
jar/net/minidev/json/parser/JSONParserMemory.java
*
/opt/cola/permits/1619377352_1680083027.7224898/0/json-smart-2-4-10-sources-
jar/net/minidev/json/JStylerObj.java
* /opt/cola/permits/1619377352_1680083027.7224898/0/json-smart-2-4-10-sources-
jar/net/minidev/json/JSONNavi.java
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```

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-->

Found in path(s):

```
* /opt/cola/permits/1619377352_1680083027.7224898/0/json-smart-2-4-10-sources-jar/META-
INF/maven/net.minidev/json-smart/pom.xml
```

1.218 accessors-smart 2.4.9

1.218.1 Available under license :

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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 setter
r an constructor calls, accessors-smart use ASM to speed up those calls.

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.asm",net.minidev.asm.ex;version="2.4.9"

Import-Package: org.objectweb.asm;version="[8.0,10)",net.minidev.asm.ex;version="[2.4,3)"

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

Tool: Bnd-5.1.1.202006162103

Found in path(s):

* /opt/cola/permits/1619377400_1680083041.0246942/0/accessors-smart-2-4-9-jar/META-INF/MANIFEST.MF

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Found in path(s):

* /opt/cola/permits/1619377400_1680083041.0246942/0/accessors-smart-2-4-9-jar/META-INF/maven/net.minidev/accessors-smart/pom.xml

1.219 jetty-webapp 9.4.51.v20230217

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

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

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

Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

* javax.servlet;javax.servlet-api

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

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

- * java.sun.security.ssl

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

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

OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of <http://asm.ow2.org/license.html>

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

Apache

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

MortBay

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- org.mortbay.jasper:apache-jsp
- org.apache.tomcat:tomcat-jasper
- org.apache.tomcat:tomcat-juli

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

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

Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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1.220 jetty 9.4.51.v20230217

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Eclipse

The following artifacts are EPL.

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

The following artifacts are EPL and ASL2.

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

The following artifacts are EPL and CDDL 1.0.

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

Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.

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

* javax.servlet:javax.servlet-api

* javax.annotation:javax.annotation-api

* javax.transaction:javax.transaction-api

* javax.websocket:javax.websocket-api

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

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

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

OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of <http://asm.ow2.org/license.html>

org.ow2.asm:asm-commons

org.ow2.asm:asm

Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec

org.apache.taglibs:taglibs-standard-impl

MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp

org.apache.tomcat:tomcat-jasper

org.apache.tomcat:tomcat-juli

org.apache.tomcat:tomcat-jsp-api

org.apache.tomcat:tomcat-el-api

org.apache.tomcat:tomcat-jasper-el

org.apache.tomcat:tomcat-api

org.apache.tomcat:tomcat-util-scan

org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el

org.apache.tomcat:tomcat-jasper-el

org.apache.tomcat:tomcat-el-api

Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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

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1.221 jetty-xml 9.4.51.v20230217

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Eclipse

The following artifacts are EPL.

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

The following artifacts are EPL and ASL2.

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

The following artifacts are EPL and CDDL 1.0.

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

Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.

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

* javax.servlet:javax.servlet-api

* javax.annotation:javax.annotation-api

* javax.transaction:javax.transaction-api

* javax.websocket:javax.websocket-api

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

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

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

OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of <http://asm.ow2.org/license.html>

org.ow2.asm:asm-commons

org.ow2.asm:asm

Apache

The following artifacts are ASL2 licensed.

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

MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

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

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

Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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

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1.222 metrics-jmx 4.2.18

1.222.1 Available under license :

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

Manifest-Version: 1.0
Automatic-Module-Name: com.codahale.metrics
Build-Jdk-Spec: 11
Bundle-Description: Metrics is a Java library which gives you unparalleled insight into what your code does in production. Metrics provides a powerful toolkit of ways to measure the behavior of critical components in your production environment.
Bundle-License: <https://www.apache.org/licenses/LICENSE-2.0.html>
Bundle-ManifestVersion: 2
Bundle-Name: Metrics Core
Bundle-SymbolicName: io.dropwizard.metrics.core
Bundle-Version: 4.2.18
Created-By: Apache Maven Bundle Plugin 5.1.8
Export-Package: com.codahale.metrics;uses:="org.slf4j";version="4.2.18"
"
Implementation-Title: Metrics Core
Implementation-Version: 4.2.18
Import-Package: org.slf4j;version="[1.6.0,2.0.0)"
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"
Tool: Bnd-6.3.1.202206071316

Found in path(s):

* /opt/cola/permits/1623174257_1693460528.707162/0/jar-files-1-20-zip/metrics-core-4-2-18-jar/META-INF/MANIFEST.MF

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Manifest-Version: 1.0
Automatic-Module-Name: com.codahale.metrics.jmx
Build-Jdk-Spec: 11
Bundle-Description: A set of classes which allow you to report metrics via JMX.
Bundle-License: <https://www.apache.org/licenses/LICENSE-2.0.html>
Bundle-ManifestVersion: 2
Bundle-Name: Metrics Integration with JMX
Bundle-SymbolicName: io.dropwizard.metrics.jmx
Bundle-Version: 4.2.18
Created-By: Apache Maven Bundle Plugin 5.1.8
Export-Package: com.codahale.metrics.jmx;uses:="com.codahale.metrics,javax.management";version="4.2.18"
Implementation-Title: Metrics Integration with JMX
Implementation-Version: 4.2.18
Import-Package: org.slf4j;version="[1.6.0,2.0.0)",com.codahale.metrics

;version="[4.2,5)",javax.management
Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.8))"
Tool: Bnd-6.3.1.202206071316

Found in path(s):

* /opt/cola/permits/1623174257_1693460528.707162/0/jar-files-1-20-zip/metrics-jmx-4-2-18-jar/META-INF/MANIFEST.MF

1.223 postgresql-jdbc 42.6.0

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- * com.ongres.scram:client:2.1
- * com.ongres.scram:common:2.1
- * com.ongres.stringprep:saslprep:1.1
- * com.ongres.stringprep:stringprep:1.1

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1.224 bridgeutils 1.35.0-r29

1.224.1 Available under license :

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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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like this

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```
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```
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```

```
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1.225 boringssl 2.0.54.Final

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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: 2.0.53.Final
Built-By: norman
Bnd-LastModified: 1654770270851
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: 2.0.53.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-tcnative-boringssl-static/>

Found in path(s):

* /opt/cola/permits/1630233252_1680805176.2913122/0/netty-tcnative-boringssl-static-2-0-53-final-jar/META-INF/MANIFEST.MF

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* /opt/cola/permits/1630233252_1680805176.2913122/0/netty-tcnative-boringssl-static-2-0-53-final-jar/META-INF/maven/io.netty/netty-tcnative-boringssl-static/pom.xml

1.226 packaging 23.1

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1.227 zstd-jni 1.5.5-1

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1.228 jetty-security 9.4.51.v20230217

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

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

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The following artifacts are CDDL + GPLv2 with classpath exception.

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

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

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

- * java.sun.security.ssl

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

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

OW2

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

Apache

The following artifacts are ASL2 licensed.

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

MortBay

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- org.mortbay.jasper:apache-jsp

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

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

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The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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

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```

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<signature of Ty Coon>, 1 April 1989
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1.231 mpdecimal 2.5.1-r2

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1.232 sqlite 3.41.2-r2

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1.234 libidn 2.3.4-r1

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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include/bsd/sys/time.h
include/bsd/timeconv.h
include/bsd/vis.h
man/bitstring.3bsd
man/errc.3bsd
man/explicit_bzero.3bsd
man/fgetln.3bsd
man/fgetwln.3bsd
man/fpurge.3bsd
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man/strtoi.3bsd
man/strtou.3bsd
man/unvis.3bsd
man/vis.3bsd
man/wcsncpy.3bsd
src/getbsize.c
src/heapsort.c
src/merge.c
src/nlist.c
src/pwcache.c

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1.240 libmd 1.0.4-r2

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man/sha1.3

man/sha2.3

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1.241 brotli 1.0.9-r14

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1.242 Idns 1.8.3-r2

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1.243 pam 1.5.2-r10

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1.244 pax-utils 1.3.7-r1

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1.245 pcre 10.42-r1

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```

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1.252 iputils-tracepath 20221126-r2

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```
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```

```
<signature of Ty Coon>, 1 April 1989
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1.253 pyc 0.1-r0

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Version 3, 29 June 2007

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1.254 py3-packaging-pyc 23.1-r1

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1.255 python-setuptools 67.7.2

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1.256 jackson-annotations 2.15.0

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1.257 jackson-databind 2.15.0

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1.258 rich 13.3.5

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Contributors

The following people have contributed to the development of Rich:

<!-- Add your name below, sort alphabetically by surname. Link to GitHub profile / your home page. -->

- [Patrick Arminio](https://github.com/patrick91)
- [Gregory Beauregard](https://github.com/GBeauregard/pyffstream)
- [Artur Borecki](https://github.com/pufereq)
- [Dennis Brakhane](https://github.com/brakhane)
- [Darren Burns](https://github.com/darrenburns)
- [Jim Crist-Harif](https://github.com/jcrist)
- [Ed Davis](https://github.com/davised)
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1.259 jackson-dataformat-cbor 2.15.0

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1.260 jackson-xc 2.15.0

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1.261 metrics-graphite 4.2.18

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Manifest-Version: 1.0

Automatic-Module-Name: com.codahale.metrics.graphite

Build-Jdk-Spec: 11

Bundle-Description: A reporter for Metrics which announces measurements to a Graphite server.

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Bundle-ManifestVersion: 2

Bundle-Name: Graphite Integration for Metrics

Bundle-SymbolicName: io.dropwizard.metrics.graphite

Bundle-Version: 4.2.18

Created-By: Apache Maven Bundle Plugin 5.1.8

Export-Package: com.codahale.metrics.graphite;uses:="com.codahale.metrics,com.rabbitmq.client,javax.net";version="4.2.18"

Implementation-Title: Graphite Integration for Metrics

Implementation-Version: 4.2.18

Import-Package: org.slf4j;version="[1.6.0,2.0.0)",com.codahale.metrics;version="[4.2,5)",com.rabbitmq.client;version="[5.16,6)",javax.net

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

Tool: Bnd-6.3.1.202206071316

Found in path(s):

* /opt/cola/permits/1660790113_1683002189.9054897/0/metrics-graphite-4-2-18-jar/META-INF/MANIFEST.MF

1.262 chardet 5.1.0

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1.263 ca-certificates 20230506-r0

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```

Found in path(s):

```
* /opt/cola/permits/1667253608_1683577718.267003/0/ca-certificates-20230506-tar-bz2/ca-certificates-20230506/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
*
* Copyright (c) 2013-2014 Timo Teräs <timo.teras@iki.fi>
* All rights reserved.
*
* This software is licensed under the MIT License.
* Full license available at: http://opensource.org/licenses/MIT
*/
```

Found in path(s):

```
* /opt/cola/permits/1667253608_1683577718.267003/0/ca-certificates-20230506-tar-bz2/ca-certificates-20230506/c_rehash.c
```

1.264 ncurses 6.4_p20230506-r0

1.264.1 Available under license :

Upstream source <https://invisible-island.net/ncurses/ncurses-examples.html>

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

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-- vile:txtmode file-encoding=utf-8

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-- vile:txtmode fc=72

-- \$Id: COPYING,v 1.12 2023/01/07 17:55:53 tom Exp \$

Upstream source <https://invisible-island.net/ncurses/Ada95.html>

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

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Files: aclocal.m4 package

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Upstream source <https://invisible-island.net/ncurses/ncurses.html>

This package is used for testing builds of `ncurses`.

Current `ncurses` maintainer: Thomas Dickey <dickey@invisible-island.net>

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Files: `aclocal.m4` package

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Files: progs/tset.c ncurses/tinfo/read_termcap.c

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1.265 xz 5.4.3-r0

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1.266 netty-codec 4.1.92.Final

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* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufEncoder.java

* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufVarint32FrameDecoder.java

*

/opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufEncoderNano.java

* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/ProtocolDetectionState.java

* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufDecoderNano.java

* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufVarint32LengthFieldPrepender.java

* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/UnsupportedValueConverter.java

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* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/ProtocolDetectionResult.java

*

/opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/HeadersUtils.java

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* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/EmptyHeaders.java

* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/Headers.java

* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-

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* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/compression/Bzip2BlockDecompressor.java

* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/compression/Bzip2BitWriter.java

*

/opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/compression/LzmaFrameEncoder.java

* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/compression/SnappyFramedEncoder.java

* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/compression/Bzip2HuffmanAllocator.java

* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/compression/Bzip2DivSufSort.java

* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/compression/LzfEncoder.java

* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/compression/Bzip2HuffmanStageDecoder.java

* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/compression/Bzip2Constants.java

*

/opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/compression/FastLz.java

* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/compression/Lz4FrameEncoder.java

* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/AsciiHeadersEncoder.java

* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/compression/Lz4Constants.java

* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/compression/Bzip2Decoder.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/json/JsonObjectDecoder.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/compression/FastLzFrameDecoder.java
*

/opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/compression/Bzip2Encoder.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/compression/SnappyFramedDecoder.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/compression/FastLzFrameEncoder.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/compression/Bzip2BitReader.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/DecoderResultProvider.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/compression/Crc32.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/compression/Lz4FrameDecoder.java
*

/opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/compression/Bzip2MoveToFrontTable.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/compression/Bzip2BlockCompressor.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/compression/Bzip2HuffmanStageEncoder.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/MessageAggregationException.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/compression/Bzip2MTFAndRLE2StageEncoder.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/compression/Bzip2Rand.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/compression/LzfDecoder.java
*

/opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/json/package-info.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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* Base64 Encoder/Decoder</a>.
*/
```

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```
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
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jar/io/netty/handler/codec/compression/StandardCompressionOptions.java
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* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/compression/GzipOptions.java
```

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*
```

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/opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/compression/BrotliDecoder.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/compression/BrotliOptions.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/compression/Zstd.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/compression/ZstdOptions.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/compression/CompressionOptions.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/compression/BrotliEncoder.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/compression/Brotli.java
*
/opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/compression/ZstdEncoder.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/compression/ZstdConstants.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
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jar/io/netty/handler/codec/compression/JdkZlibDecoder.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/compression/Crc32c.java
*
/opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
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* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io.netty.handler.codec.compression/Lz4XXHash32.java
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 /**

* A decoder that splits the received { @link ByteBuf}s dynamically by the
 * value of the length field in the message. It is particularly useful when you
 * decode a binary message which has an integer header field that represents the
 * length of the message body or the whole message.

*

<p>

* { @link LengthFieldBasedFrameDecoder } has many configuration parameters so
 * that it can decode any message with a length field, which is often seen in
 * proprietary client-server protocols. Here are some example that will give
 * you the basic idea on which option does what.

*

* <h3>2 bytes length field at offset 0, do not strip header</h3>

*

* The value of the length field in this example is <tt>12 (0x0C)</tt> which
 * represents the length of "HELLO, WORLD". By default, the decoder assumes
 * that the length field represents the number of the bytes that follows the
 * length field. Therefore, it can be decoded with the simplistic parameter
 * combination.

* <pre>

* lengthFieldOffset = 0
 * lengthFieldLength = 2
 * lengthAdjustment = 0
 * initialBytesToStrip = 0 (= do not strip header)

*

* BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)

* +-----+-----+ +-----+-----+

* | Length | Actual Content

|---->| Length | Actual Content |

* | 0x000C | "HELLO, WORLD" | | 0x000C | "HELLO, WORLD" |

* +-----+-----+ +-----+-----+

* </pre>

*

* <h3>2 bytes length field at offset 0, strip header</h3>

*

* Because we can get the length of the content by calling
 * { @link ByteBuf#readableBytes() }, you might want to strip the length

```

* field by specifying <tt>initialBytesToStrip</tt>. In this example, we
* specified <tt>2</tt>, that is same with the length of the length field, to
* strip the first two bytes.
* <pre>
* lengthFieldOffset = 0
* lengthFieldLength = 2
* lengthAdjustment = 0
* <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):

```

* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java

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*/
/*
* Written by Robert Harder and released to the public domain, as explained at
* https://creativecommons.org/licenses/publicdomain
*/
/**
* 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.
*/
```

Found in path(s):

```
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/base64/Base64.java
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```
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/META-INF/native-
image/io.netty.netty-codec/native-image.properties
```

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Found in path(s):

* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/compression/ZlibEncoder.java

* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/DecoderResult.java

* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/protobuf/package-info.java

*

/opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/serialization/ReferenceMap.java

* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/compression/DecompressionException.java

* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/bytes/ByteArrayDecoder.java

* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/compression/ZlibCodecFactory.java

* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/serialization/WeakReferenceMap.java

* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/MessageToMessageEncoder.java

*

/opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/package-info.java

* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/marshalling/UnmarshallerProvider.java

* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/compression/SnappyFrameDecoder.java

* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/serialization/CompactObjectOutputStream.java

* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/CodecException.java

* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/bytes/ByteArrayEncoder.java

* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/TooLongFrameException.java

*

/opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/serialization/ClassResolvers.java

* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/serialization/ObjectEncoder.java

* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/marshalling/ThreadLocalMarshallerProvider.java

* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/marshalling/MarshallingEncoder.java

* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-

jar/io/netty/handler/codec/MessageToMessageCodec.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/string/StringEncoder.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/PrematureChannelClosureException.java
*
/opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/compression/JdkZlibEncoder.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/compression/JZlibDecoder.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/compression/JZlibEncoder.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/serialization/ObjectEncoderOutputStream.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/serialization/SoftReferenceMap.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/CorruptedFrameException.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/MessageToMessageDecoder.java
*
/opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/marshalling/MarshallingDecoder.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/marshalling/CompatibleMarshallingDecoder.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/MessageAggregator.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/marshalling/ChannelBufferByteInput.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/compression/SnappyFrameEncoder.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/ReplayingDecoderByteBuf.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/serialization/CompactObjectInputStream.java
*
/opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/compression/ZlibDecoder.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/compression/Snappy.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/marshalling/MarshallerProvider.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/LengthFieldPrepender.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/base64/Base64Encoder.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/compression/package-info.java

```

* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/serialization/ClassResolver.java
*
/opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/ByteToMessageDecoder.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/Delimiters.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/marshalling/LimitingByteInput.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/serialization/ObjectDecoder.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/LineBasedFrameDecoder.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/string/StringDecoder.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/DecoderException.java
*
/opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/marshalling/DefaultMarshallerProvider.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/base64/package-info.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/serialization/ObjectDecoderInputStream.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/marshalling/ContextBoundUnmarshallerProvider.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/marshalling/ChannelBufferByteOutput.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/marshalling/package-info.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/bytes/package-info.java
*
/opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/MessageToByteEncoder.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/marshalling/DefaultUnmarshallerProvider.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/compression/ZlibWrapper.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/serialization/package-info.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/ByteToMessageCodec.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/EncoderException.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-
jar/io/netty/handler/codec/serialization/CompatibleObjectEncoder.java
*

```


/opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/base64/Base64Decoder.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/marshalling/CompatibleMarshallingEncoder.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/serialization/CachingClassResolver.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/marshalling/ThreadLocalUnmarshallerProvider.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/compression/CompressionException.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/DelimiterBasedFrameDecoder.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/FixedLengthFrameDecoder.java
*
/opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/compression/ZlibUtil.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/string/package-info.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/serialization/ClassLoaderClassResolver.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/UnsupportedMessageTypeException.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/xml/package-info.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/ReplayingDecoder.java
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*/

Found in path(s):

* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/string/LineEncoder.java

* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/CodecOutputList.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/compression/CompressionUtil.java
*

/opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/DateFormatter.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/string/LineSeparator.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/DatagramPacketEncoder.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/DatagramPacketDecoder.java
* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/compression/ByteBufChecksum.java

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* /opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/DefaultHeadersImpl.java
*
/opt/cola/permits/1670233124_1683702446.9726822/0/netty-codec-4-1-92-final-sources-jar/io/netty/handler/codec/ValueConverter.java

1.267 netty 4.1.92.Final

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* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/concurrent/FastThreadLocalThread.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/CleanerJava6.java

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*/opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/logging/MessageFormatter.java
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*/opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/logging/FormattingTuple.java
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* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/DomainWildcardMappingBuilder.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/NetUtilSubstitutions.java

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- * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/concurrent/DefaultThreadFactory.java
- * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/concurrent/Future.java
- *
- /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/concurrent/Promise.java
- * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/concurrent/ProgressiveFuture.java
- * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/concurrent/PromiseTask.java
- * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/concurrent/DefaultProgressivePromise.java
- * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/concurrent/ThreadPoolExecutor.java
- * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/ResourceLeakException.java
- * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/concurrent/DefaultPromise.java
- *
- /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/concurrent/ImmediateExecutor.java
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- * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/ReadOnlyIterator.java
- * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/ResourceLeakDetector.java
- * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/EmptyArrays.java
- * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/concurrent/ScheduledFuture.java
- * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/concurrent/package-info.java
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- /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/TypeParameterMatcher.java
- * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/concurrent/AbstractEventExecutorGroup.java
- * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/concurrent/GenericFutureListener.java
- * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/NoOpTypeParameterMatcher.java
- * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/concurrent/FutureListener.java

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* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/concurrent/DefaultFutureListeners.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/concurrent/GenericProgressiveFutureListener.java
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jar/io/netty/util/AbstractReferenceCounted.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/ReferenceCountUtil.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/logging/package-info.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
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* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
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* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
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* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/Version.java
*
/opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/concurrent/AbstractEventExecutor.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/PlatformDependent0.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/ResourceLeak.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/PendingWrite.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/concurrent/CompleteFuture.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/AppendableCharSequence.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/ConcurrentSet.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/concurrent/AbstractFuture.java
*
/opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/RecyclableArrayList.java
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- * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/IllegalReferenceCountException.java
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- /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/logging/Log4JLoggerFactory.java
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- * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/Timeout.java
- * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/concurrent/BlockingOperationException.java
- * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/logging/Slf4JLogger.java
- * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/package-info.java
- * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/Timer.java
- * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/concurrent/GlobalEventExecutor.java
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- /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/concurrent/DefaultEventExecutor.java
- * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/SystemPropertyUtil.java
- * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/AbstractConstant.java
- * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/Attribute.java
- * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/concurrent/EventExecutorGroup.java
- * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/StringUtil.java
- * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/concurrent/MultithreadEventExecutorGroup.java


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jar/io/netty/util/CharsetUtil.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
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* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
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/opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
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* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/AttributeKey.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/concurrent/DefaultEventExecutorGroup.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/Constant.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/TimerTask.java
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* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
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/opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/collection/CharCollections.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/collection/ShortCollections.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/ObjectUtil.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/collection/CharObjectHashMap.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/collection/IntObjectHashMap.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/collection/LongCollections.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/collection/CharObjectMap.java
*
/opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/collection/ByteObjectMap.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/collection/IntObjectMap.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/collection/ShortObjectHashMap.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/collection/IntCollections.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/collection/LongObjectHashMap.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/collection/ByteCollections.java

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```
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/ThreadDeathWatcher.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/InternalThreadLocalMap.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/concurrent/PromiseAggregator.java
*
/opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/concurrent/FastThreadLocal.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/ResourceLeakHint.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/AsciiString.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/concurrent/PromiseNotifier.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/IntegerHolder.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/NativeLibraryLoader.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/UnpaddedInternalThreadLocalMap.java
*
/opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/Mapping.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/DomainNameMapping.java
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* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/logging/Log4JLogger.java
*
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/logging/InternalLogger.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/logging/CommonsLogger.java

```

* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/logging/JdkLogger.java

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* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/Cleaner.java

* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/CleanerJava9.java

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* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/QueueFactory.java

```

* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/util/UnsafeJvmInfo.java
*
/opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/maps/NonBlockingHashMap.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/MessagePassingQueueUtil.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/ConcurrentSequencedCircularArrayQueue.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/IndexedQueueSizeUtil.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/MpscBlockingConsumerArrayQueue.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/MpscChunkedArrayQueue.java
*
/opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/SpSCUnboundedArrayQueue.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/MpmcAtomicArrayQueue.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
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* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/spec/Preference.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/MpscGrowableArrayQueue.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/maps/NonBlockingHashSet.java
*
/opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/SpSCLinkedQueue.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/AtomicReferenceArrayQueue.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/MpscGrowableAtomicArrayQueue.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/MpscUnboundedXaddChunk.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/SpSCArrayQueue.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/SpSCUnboundedAtomicArrayQueue.java
*
/opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/MpmcArrayQueue.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/util/PortableJvmInfo.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/MpscUnboundedAtomicArrayQueue.java

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* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/shaded/org/jctools/util/UnsafeAccess.java

* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/SpSCAtomicArrayQueue.java

* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/BaseMpscLinkedArrayQueue.java

*

/opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/MpmcUnboundedXaddChunk.java

* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/BaseSpSCLinkedArrayQueue.java

* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/spec/Ordering.java

* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/shaded/org/jctools/util/UnsafeRefArrayAccess.java

* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/SpSCGrowableArrayQueue.java

* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/shaded/org/jctools/maps/AbstractEntry.java

*

/opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/SequencedAtomicReferenceArrayQueue.java

* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/MpmcUnboundedXaddArrayQueue.java

* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/MpscLinkedQueue.java

* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/SpMCAtomicArrayQueue.java

* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/BaseLinkedQueue.java

* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/SpSCLinkedAtomicQueue.java

*

/opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/package-info.java

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* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/SpSCChunkedAtomicArrayQueue.java

* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/MpscChunkedAtomicArrayQueue.java

*

/opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/spec/ConcurrentQueueSpec.java

* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/MpscUnboundedArrayQueue.java

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* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/maps/NonBlockingIdentityHashMap.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/util/RangeUtil.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/SpmcArrayQueue.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/maps/ConcurrentAutoTable.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/BaseMpscLinkedAtomicArrayQueue.java
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/opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/LinkedQueueAtomicNode.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
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* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/util/InternalAPI.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/maps/NonBlockingSetInt.java
*
/opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/maps/NonBlockingHashMapLong.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/ConcurrentCircularArrayQueue.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/BaseSpSCLinkedAtomicArrayQueue.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/MpscAtomicArrayQueue.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/MpscCompoundQueue.java
*
/opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/SupportsIterator.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/SpSCGrowtableAtomicArrayQueue.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/BaseLinkedAtomicQueue.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/AtomicQueueFactory.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/util/Pow2.java
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Found in path(s):

* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
 jar/io/netty/util/ByteProcessorUtils.java
 * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
 jar/io/netty/util/internal/ResourcesUtil.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">

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<artifactId>jctools-core</artifactId>

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<version>\${hamcrest.version}</version>

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</dependency>

<dependency>

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      </configuration>
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        <instructions>
          <Import-Package>sun.misc;resolution:=optional</Import-Package>
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          </goals>
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    <additionalOption>-Xdoclint:none</additionalOption>
  </additionalOptions>
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</plugins>
</build>

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    <name>jctools-jctools</name>
    <url>https://api.bintray.com/maven/jctools/jctools/jctools-core/?publish=1</url>
  </repository>
</distributionManagement>

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

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

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

<developers>
  <developer>
    <url>https://github.com/nitsanw</url>
  </developer>

```

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<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>

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  <java.test.version>1.8</java.test.version>

  <maven.compiler.source>${java.version}</maven.compiler.source>
  <maven.compiler.target>${java.version}</maven.compiler.target>
  <maven.compiler.testSource>${java.test.version}</maven.compiler.testSource>
  <maven.compiler.testTarget>${java.test.version}</maven.compiler.testTarget>

  <hamcrest.version>1.3</hamcrest.version>
  <junit.version>4.12</junit.version>
  <guava-testlib.version>21.0</guava-testlib.version>
</properties>
</project>

```

Found

in path(s):

* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/META-INF/maven/org.jctools/jctools-core/pom.xml

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- * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/NativeLibraryUtil.java
- * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/ResourceLeakTracker.java
- * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/MacAddressUtil.java
- *
- /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/concurrent/RejectedExecutionHandlers.java
- * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/concurrent/UnorderedThreadPoolEventExecutor.java
- * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/concurrent/UnaryPromiseNotifier.java
- * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/logging/Log4J2LoggerFactory.java
- * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/ResourceLeakDetectorFactory.java
- * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/OutOfDirectMemoryError.java
- * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/concurrent/DefaultEventExecutorChooserFactory.java
- *
- /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/concurrent/NonStickyEventExecutorGroup.java
- * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/concurrent/RejectedExecutionHandler.java
- * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/concurrent/EventExecutorChooserFactory.java
- * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/concurrent/OrderedEventExecutor.java
- * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/ConstantTimeUtils.java
- * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/DomainNameMappingBuilder.java
- * /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/logging/Log4J2Logger.java
- *
- /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/ThrowableUtil.java

```
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/UnstableApi.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/PromiseNotificationUtil.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/IntSupplier.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/SocketUtils.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/BooleanSupplier.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/concurrent/PromiseCombiner.java
```

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Found in path(s):

```
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/META-
INF/maven/io.netty/netty-common/pom.xml
```

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* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/ObjectPool.java

*

/opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/svm/package-info.java

* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/ThreadExecutorMap.java

* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/svm/UnsafeRefArrayAccessSubstitution.java

* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/svm/CleanerJava6Substitution.java

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* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/svm/PlatformDependent0Substitution.java

* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/Hidden.java

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* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/ClassInitializerUtil.java

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* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/MathUtil.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/ByteProcessor.java

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jar/io/netty/util/internal/ThreadLocalRandom.java

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* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/SuppressForbidden.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/UncheckedBooleanSupplier.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/LongAdderCounter.java
*
/opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/EmptyPriorityQueue.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/ReflectionUtil.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/NettyRuntime.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/PriorityQueue.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/logging/LocationAwareSlf4JLogger.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/io/netty/util/internal/ObjectCleaner.java

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* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/concurrent/ThreadProperties.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/PriorityQueueNode.java
*
/opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/concurrent/AbstractScheduledEventExecutor.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/LongCounter.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/DefaultPriorityQueue.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/DomainMappingBuilder.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/HashingStrategy.java
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/AsyncMapping.java

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* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-
jar/io/netty/util/internal/SuppressJava6Requirement.java

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io.netty.util.internal.Hidden$NettyBlockHoundIntegration
```

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```
* /opt/cola/permits/1670233208_1683702502.0110958/0/netty-common-4-1-92-final-sources-jar/META-  
INF/services/reactor.blockhound.integration.BlockHoundIntegration
```

1.268 netty-tcnative-classes 2.0.60.Final

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* /opt/cola/permits/1670233266_1683702569.0242143/0/netty-tcnative-classes-2-0-60-final-sources-  
jar/io/netty/internal/tcnative/CertificateCallback.java
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* /opt/cola/permits/1670233266_1683702569.0242143/0/netty-tcnative-classes-2-0-60-final-sources-jar/io/netty/internal/tcnative/CertificateRequestedCallback.java
* /opt/cola/permits/1670233266_1683702569.0242143/0/netty-tcnative-classes-2-0-60-final-sources-jar/io/netty/internal/tcnative/SessionTicketKey.java
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* /opt/cola/permits/1670233266_1683702569.0242143/0/netty-tcnative-classes-2-0-60-final-sources-jar/io/netty/internal/tcnative/ResultCallback.java
*
* /opt/cola/permits/1670233266_1683702569.0242143/0/netty-tcnative-classes-2-0-60-final-sources-jar/io/netty/internal/tcnative/AsyncSSLPrivateKeyMethodAdapter.java
* /opt/cola/permits/1670233266_1683702569.0242143/0/netty-tcnative-classes-2-0-60-final-sources-jar/io/netty/internal/tcnative/AsyncSSLPrivateKeyMethod.java
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jar/io/netty/internal/tcnative/CertificateCallbackTask.java
```

```
* /opt/cola/permits/1670233266_1683702569.0242143/0/netty-tcnative-classes-2-0-60-final-sources-
jar/io/netty/internal/tcnative/SSLPrivateKeyMethodDecryptTask.java
```

```
*
/opt/cola/permits/1670233266_1683702569.0242143/0/netty-tcnative-classes-2-0-60-final-sources-
jar/io/netty/internal/tcnative/CertificateVerifierTask.java
```

```
* /opt/cola/permits/1670233266_1683702569.0242143/0/netty-tcnative-classes-2-0-60-final-sources-
jar/io/netty/internal/tcnative/SSLPrivateKeyMethod.java
```

```
* /opt/cola/permits/1670233266_1683702569.0242143/0/netty-tcnative-classes-2-0-60-final-sources-
jar/io/netty/internal/tcnative/SSLPrivateKeyMethodTask.java
```

* /opt/cola/permits/1670233266_1683702569.0242143/0/netty-tcnative-classes-2-0-60-final-sources-jar/io/netty/internal/tcnative/SSLPrivateKeyMethodSignTask.java

* /opt/cola/permits/1670233266_1683702569.0242143/0/netty-tcnative-classes-2-0-60-final-sources-jar/io/netty/internal/tcnative/SSLTask.java

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* /opt/cola/permits/1670233266_1683702569.0242143/0/netty-tcnative-classes-2-0-60-final-sources-jar/io/netty/internal/tcnative/Buffer.java

* /opt/cola/permits/1670233266_1683702569.0242143/0/netty-tcnative-classes-2-0-60-final-sources-jar/io/netty/internal/tcnative/Library.java

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* /opt/cola/permits/1670233266_1683702569.0242143/0/netty-tcnative-classes-2-0-60-final-sources-jar/io/netty/internal/tcnative/SniHostNameMatcher.java

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* /opt/cola/permits/1670233266_1683702569.0242143/0/netty-tcnative-classes-2-0-60-final-sources-
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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
 */

```

Found in path(s):

```

/opt/cola/permits/1670233266_1683702569.0242143/0/netty-tcnative-classes-2-0-60-final-sources-
jar/io/netty/internal/tcnative/SSLContext.java

```

1.269 netty-transport-native-unix-common

4.1.92.Final

1.269.1 Available under license :

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jar/io/netty/channel/unix/IntegerUnixChannelOption.java
/opt/cola/permits/1670233245_1683702517.09824/0/netty-transport-native-unix-common-4-1-92-final-sources-
jar/io/netty/channel/unix/RawUnixChannelOption.java
*
/opt/cola/permits/1670233245_1683702517.09824/0/netty-transport-native-unix-common-4-1-92-final-sources-
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* /opt/cola/permits/1670233245_1683702517.09824/0/netty-transport-native-unix-common-4-1-92-final-sources-jar/netty_unix_jni.h

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* /opt/cola/permits/1670233245_1683702517.09824/0/netty-transport-native-unix-common-4-1-92-final-sources-jar/io/netty/channel/unix/package-info.java

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jar/netty_unix_util.c
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jar/netty_unix_limits.c
* /opt/cola/permits/1670233245_1683702517.09824/0/netty-transport-native-unix-common-4-1-92-final-sources-
jar/io/netty/channel/unix/SocketWritableByteChannel.java
*
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jar/netty_unix_limits.h
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jar/io/netty/channel/unix/LimitsStaticallyReferencedJniMethods.java
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jar/netty_unix_util.h
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* /opt/cola/permits/1670233245_1683702517.09824/0/netty-transport-native-unix-common-4-1-92-final-sources-
jar/io/netty/channel/unix/DomainSocketReadMode.java
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jar/netty_unix_socket.c
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jar/io/netty/channel/unix/NativeInetAddress.java
* /opt/cola/permits/1670233245_1683702517.09824/0/netty-transport-native-unix-common-4-1-92-final-sources-
jar/io/netty/channel/unix/UnixChannel.java
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jar/io/netty/channel/unix/DomainSocketAddress.java
*
/opt/cola/permits/1670233245_1683702517.09824/0/netty-transport-native-unix-common-4-1-92-final-sources-
jar/io/netty/channel/unix/ServerDomainSocketChannel.java
* /opt/cola/permits/1670233245_1683702517.09824/0/netty-transport-native-unix-common-4-1-92-final-sources-
jar/netty_unix_socket.h
* /opt/cola/permits/1670233245_1683702517.09824/0/netty-transport-native-unix-common-4-1-92-final-sources-
jar/io/netty/channel/unix/DomainSocketChannelConfig.java
* /opt/cola/permits/1670233245_1683702517.09824/0/netty-transport-native-unix-common-4-1-92-final-sources-
jar/netty_unix_filedescriptor.h
* /opt/cola/permits/1670233245_1683702517.09824/0/netty-transport-native-unix-common-4-1-92-final-sources-
```

```
jar/io/netty/channel/unix/Socket.java
* /opt/cola/permits/1670233245_1683702517.09824/0/netty-transport-native-unix-common-4-1-92-final-sources-
jar/netty_unix_filedescriptor.c
* /opt/cola/permits/1670233245_1683702517.09824/0/netty-transport-native-unix-common-4-1-92-final-sources-
jar/io/netty/channel/unix/DomainSocketChannel.java
*
/opt/cola/permits/1670233245_1683702517.09824/0/netty-transport-native-unix-common-4-1-92-final-sources-
jar/io/netty/channel/unix/Errors.java
```

1.270 netty-resolver 4.1.92.Final

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Found in path(s):

```
* /opt/cola/permits/1670233273_1683702629.4538295/0/netty-resolver-4-1-92-final-sources-
jar/io/netty/resolver/HostsFileEntriesProvider.java
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* /opt/cola/permits/1670233273_1683702629.4538295/0/netty-resolver-4-1-92-final-sources-jar/io/netty/resolver/RoundRobinInetAddressResolver.java

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* /opt/cola/permits/1670233273_1683702629.4538295/0/netty-resolver-4-1-92-final-sources-jar/io/netty/resolver/AbstractAddressResolver.java

* /opt/cola/permits/1670233273_1683702629.4538295/0/netty-resolver-4-1-92-final-sources-jar/io/netty/resolver/AddressResolver.java

* /opt/cola/permits/1670233273_1683702629.4538295/0/netty-resolver-4-1-92-final-sources-jar/io/netty/resolver/HostsFileParser.java

*

/opt/cola/permits/1670233273_1683702629.4538295/0/netty-resolver-4-1-92-final-sources-jar/io/netty/resolver/InetSocketAddressResolver.java

* /opt/cola/permits/1670233273_1683702629.4538295/0/netty-resolver-4-1-92-final-sources-jar/io/netty/resolver/HostsFileEntriesResolver.java

* /opt/cola/permits/1670233273_1683702629.4538295/0/netty-resolver-4-1-92-final-sources-jar/io/netty/resolver/DefaultAddressResolverGroup.java

* /opt/cola/permits/1670233273_1683702629.4538295/0/netty-resolver-4-1-92-final-sources-jar/io/netty/resolver/DefaultHostsFileEntriesResolver.java

* /opt/cola/permits/1670233273_1683702629.4538295/0/netty-resolver-4-1-92-final-sources-jar/io/netty/resolver/CompositeNameResolver.java

* /opt/cola/permits/1670233273_1683702629.4538295/0/netty-resolver-4-1-92-final-sources-jar/io/netty/resolver/DefaultNameResolver.java

* /opt/cola/permits/1670233273_1683702629.4538295/0/netty-resolver-4-1-92-final-sources-jar/io/netty/resolver/InetNameResolver.java

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* /opt/cola/permits/1670233273_1683702629.4538295/0/netty-resolver-4-1-92-final-sources-
jar/io/netty/resolver/NameResolver.java
* /opt/cola/permits/1670233273_1683702629.4538295/0/netty-resolver-4-1-92-final-sources-
jar/io/netty/resolver/SimpleNameResolver.java
* /opt/cola/permits/1670233273_1683702629.4538295/0/netty-resolver-4-1-92-final-sources-
jar/io/netty/resolver/package-info.java
*
/opt/cola/permits/1670233273_1683702629.4538295/0/netty-resolver-4-1-92-final-sources-
jar/io/netty/resolver/AddressResolverGroup.java
* /opt/cola/permits/1670233273_1683702629.4538295/0/netty-resolver-4-1-92-final-sources-
jar/io/netty/resolver/NoopAddressResolverGroup.java
* /opt/cola/permits/1670233273_1683702629.4538295/0/netty-resolver-4-1-92-final-sources-
jar/io/netty/resolver/NoopAddressResolver.java
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* /opt/cola/permits/1670233273_1683702629.4538295/0/netty-resolver-4-1-92-final-sources-jar/META-INF/maven/io.netty/netty-resolver/pom.xml

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* /opt/cola/permits/1670233273_1683702629.4538295/0/netty-resolver-4-1-92-final-sources-jar/io/netty/resolver/HostsFileEntries.java

* /opt/cola/permits/1670233273_1683702629.4538295/0/netty-resolver-4-1-92-final-sources-jar/io/netty/resolver/ResolvedAddressTypes.java

1.271 netty-transport 4.1.92.Final

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* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/pool/FixedChannelPool.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/pool/ChannelPoolMap.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/DefaultMaxMessagesRecvByteBufAllocator.java

*

/opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/pool/ChannelPoolHandler.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/pool/AbstractChannelPoolHandler.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/MaxBytesRecvByteBufAllocator.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/pool/package-info.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/pool/SimpleChannelPool.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/MaxMessagesRecvByteBufAllocator.java

*

/opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/pool/ChannelPool.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/pool/AbstractChannelPoolMap.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/DefaultMaxBytesRecvByteBufAllocator.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/pool/ChannelHealthChecker.java

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* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/DefaultChannelProgressivePromise.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/group/ChannelGroup.java

*

/opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/DefaultChannelId.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/ChannelId.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/AbstractEventLoopGroup.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/ChannelProgressiveFutureListener.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/socket/oio/OioServerSocketChannelConfig.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/AddressedEnvelope.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/group/ChannelMatcher.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/group/ChannelGroupException.java

*

/opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/nio/SelectedSelectionKeySet.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/ChannelHandlerAdapter.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/ChannelProgressivePromise.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/MessageSizeEstimator.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/socket/oio/DefaultOioServerSocketChannelConfig.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/bootstrap/ChannelFactory.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/socket/oio/OioSocketChannelConfig.java

*

/opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/ChannelOutboundBuffer.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/DefaultMessageSizeEstimator.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/SimpleChannelInboundHandler.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/DefaultAddressedEnvelope.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/ConnectTimeoutException.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/group/DefaultChannelGroup.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/socket/oio/DefaultOioSocketChannelConfig.java
*

/opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/group/ChannelMatchers.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/ChannelProgressiveFuture.java

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* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/ReflectiveChannelFactory.java

*

/opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/embedded/EmbeddedChannelId.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/AbstractEventLoop.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/ChannelFactory.java

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* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/socket/nio/NioChannelOption.java

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jar/io/netty/channel/ServerChannelRecvByteBufAllocator.java

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*/

/**

* Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
* its { @link ChannelPipeline }.

*

* <h3>Sub-types</h3>

* <p>

* { @link ChannelHandler } itself does not provide many methods, but you usually have to implement one of its
subtypes:

*

* { @link

ChannelInboundHandler } to handle inbound I/O events, and

* { @link ChannelOutboundHandler } to handle outbound I/O operations.

*

* </p>

* <p>

* Alternatively, the following adapter classes are provided for your convenience:

*

* { @link ChannelInboundHandlerAdapter } to handle inbound I/O events,

* { @link ChannelOutboundHandlerAdapter } to handle outbound I/O operations, and

* { @link ChannelDuplexHandler } to handle both inbound and outbound events

*

* </p>

* <p>

* For more information, please refer to the documentation of each subtype.

* </p>

* <h3>The context object</h3>

* <p>

* A { @link ChannelHandler } is provided with a { @link ChannelHandlerContext } object. A { @link ChannelHandler } is supposed to interact with the { @link ChannelPipeline } it belongs to via a context object. Using the context object, the { @link ChannelHandler } can pass events upstream or downstream, modify the pipeline dynamically, or store the information (using { @link AttributeKey }s) which is specific to the handler.

* <h3>State management</h3>

* <p>

* 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

* the JCIP annotations.

```
*
```

* <h3>Additional resources worth reading</h3>

* <p>

* Please refer to the {@link ChannelHandler}, and

* {@link ChannelPipeline} to find out more about inbound and outbound operations,

* what fundamental differences they have, how they flow in a pipeline, and how to handle

* the operation in your application.

```
*/
```

Found in path(s):

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/ChannelHandler.java

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* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-
jar/io/netty/channel/EventLoopTaskQueueFactory.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-
jar/io/netty/channel/ChannelHandlerMask.java

*
/opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-
jar/io/netty/channel/ExtendedClosedChannelException.java

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* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-
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* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/socket/nio/SelectorProviderUtil.java

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* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/socket/DuplexChannelConfig.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/StacklessClosedChannelException.java

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* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/META-INF/maven/io.netty/netty-transport/pom.xml

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* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/socket/ChannelOutputShutdownException.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/socket/oio/DefaultOioDatagramChannelConfig.java

*

/opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/bootstrap/FailedChannel.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/socket/ChannelInputShutdownReadComplete.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/internal/package-info.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/DelegatingChannelPromiseNotifier.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/PendingBytesTracker.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/socket/oio/OioDatagramChannelConfig.java

```
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-
jar/io/netty/channel/socket/ChannelOutputShutdownEvent.java
```

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*
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```
/opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-
jar/io/netty/channel/nio/SelectedSelectionKeySetSelector.java
```

```
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-
jar/io/netty/channel/internal/ChannelUtils.java
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- * /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/nio/NioTask.java
- * /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/EventLoop.java
- * /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/local/LocalChannelRegistry.java
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- /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/RecvByteBufAllocator.java
- * /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/ChannelFuture.java
- * /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/bootstrap/ServerBootstrap.java
- * /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/AbstractServerChannel.java
- * /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/ChannelMetadata.java
- * /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/AbstractChannelHandlerContext.java
- * /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/socket/ChannelInputShutdownEvent.java
- *
- /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/AbstractChannel.java
- * /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/socket/SocketChannel.java
- * /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/ChannelInitializer.java
- * /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/ChannelFlushPromiseNotifier.java
- * /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/ChannelException.java
- * /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/SucceededChannelFuture.java
- * /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/package-info.java
- *
- /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/socket/oio/OioServerSocketChannel.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/CombinedChannelDuplexHandler.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/embedded/EmbeddedSocketAddress.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/socket/nio/NioDatagramChannel.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/ChannelPromiseAggregator.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/ChannelOption.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/DefaultFileRegion.java
*
/opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/socket/ServerSocketChannelConfig.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/bootstrap/AbstractBootstrap.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/ChannelPromise.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/nio/AbstractNioMessageChannel.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/local/LocalChannel.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/oio/OioEventLoopGroup.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/DefaultEventLoopGroup.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/socket/nio/NioSocketChannel.java
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/opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/ChannelDuplexHandler.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/socket/nio/NioServerSocketChannel.java
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* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/embedded/package-info.java
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* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/ServerChannel.java
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*
/opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/nio/AbstractNioChannel.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-

jar/io/netty/channel/oio/AbstractOioChannel.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-
jar/io/netty/channel/group/package-info.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-
jar/io/netty/channel/DefaultChannelPipeline.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-
jar/io/netty/channel/socket/nio/ProtocolFamilyConverter.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-
jar/io/netty/channel/socket/SocketChannelConfig.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-
jar/io/netty/channel/DefaultChannelPromise.java
*
/opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-
jar/io/netty/channel/ChannelConfig.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-
jar/io/netty/channel/local/LocalServerChannel.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-
jar/io/netty/channel/nio/AbstractNioByteChannel.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-
jar/io/netty/channel/nio/package-info.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-
jar/io/netty/channel/ThreadPerChannelEventLoopGroup.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-
jar/io/netty/channel/socket/oio/package-info.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-
jar/io/netty/channel/socket/oio/OioSocketChannel.java
*
/opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-
jar/io/netty/channel/socket/DatagramPacket.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-
jar/io/netty/channel/ChannelPipeline.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-
jar/io/netty/channel/group/CombinedIterator.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-
jar/io/netty/bootstrap/package-info.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-
jar/io/netty/channel/ChannelFutureListener.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-
jar/io/netty/channel/ChannelInboundHandlerAdapter.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-
jar/io/netty/channel/group/DefaultChannelGroupFuture.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-
jar/io/netty/channel/oio/AbstractOioMessageChannel.java
*
/opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-
jar/io/netty/channel/CompleteChannelFuture.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-
jar/io/netty/channel/socket/nio/package-info.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/group/ChannelGroupFutureListener.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/local/LocalEventLoopGroup.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/socket/nio/NioDatagramChannelConfig.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/nio/NioEventLoopGroup.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/socket/ServerSocketChannel.java
*
/opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/socket/DefaultDatagramChannelConfig.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/socket/DefaultSocketChannelConfig.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/MultithreadEventLoopGroup.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/DefaultChannelConfig.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/nio/NioEventLoop.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/AdaptiveRecvByteBufAllocator.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/EventLoopException.java
*
/opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/local/package-info.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/FailedChannelFuture.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/ChannelInboundHandler.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/socket/package-info.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/ChannelPipelineException.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/ChannelOutboundHandlerAdapter.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/DefaultEventLoop.java
*
/opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/embedded/EmbeddedEventLoop.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/EventLoopGroup.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/socket/DefaultServerSocketChannelConfig.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-

jar/io/netty/channel/ChannelPromiseNotifier.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-
jar/io/netty/channel/group/ChannelGroupFuture.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-
jar/io/netty/channel/socket/DatagramChannel.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-
jar/io/netty/channel/FixedRecvByteBufAllocator.java
*
/opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-
jar/io/netty/channel/FileRegion.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-
jar/io/netty/channel/VoidChannelPromise.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-
jar/io/netty/channel/oio/package-info.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-
jar/io/netty/channel/SingleThreadEventLoop.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-
jar/io/netty/channel/ThreadPerChannelEventLoop.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-
jar/io/netty/channel/socket/DatagramChannelConfig.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-
jar/io/netty/channel/socket/oio/OioDatagramChannel.java
*
/opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-
jar/io/netty/channel/local/LocalAddress.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-
jar/io/netty/channel/embedded/EmbeddedChannel.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-
jar/io/netty/channel/ChannelHandlerContext.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-
jar/io/netty/channel/Channel.java
* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-
jar/io/netty/channel/oio/AbstractOioByteChannel.java

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* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/ChannelInboundInvoker.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/bootstrap/BootstrapConfig.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/DefaultSelectStrategyFactory.java

*

/opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/WriteBufferWaterMark.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/group/VoidChannelGroupFuture.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/bootstrap/ServerBootstrapConfig.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/DefaultSelectStrategy.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/SelectStrategy.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/SelectStrategyFactory.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/ChannelOutboundInvoker.java

*

/opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/socket/DuplexChannel.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/PreferHeapByteBufAllocator.java

* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/bootstrap/AbstractBootstrapConfig.java

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* /opt/cola/permits/1670233252_1683702460.2155154/0/netty-transport-4-1-92-final-sources-jar/io/netty/channel/DefaultChannelHandlerContext.java

1.272 netty-transport-classes-kqueue

4.1.92.Final

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* /opt/cola/permits/1670233173_1683702540.3590863/0/netty-transport-classes-kqueue-4-1-92-final-sources-jar/io/netty/channel/kqueue/KQueueServerSocketChannelConfig.java

*

/*opt/cola/permits/1670233173_1683702540.3590863/0/netty-transport-classes-kqueue-4-1-92-final-sources-jar/io/netty/channel/kqueue/AbstractKQueueServerChannel.java

* /opt/cola/permits/1670233173_1683702540.3590863/0/netty-transport-classes-kqueue-4-1-92-final-sources-jar/io/netty/channel/kqueue/Native.java

* /opt/cola/permits/1670233173_1683702540.3590863/0/netty-transport-classes-kqueue-4-1-92-final-sources-jar/io/netty/channel/kqueue/AbstractKQueueStreamChannel.java

* /opt/cola/permits/1670233173_1683702540.3590863/0/netty-transport-classes-kqueue-4-1-92-final-sources-jar/io/netty/channel/kqueue/AcceptFilter.java

* /opt/cola/permits/1670233173_1683702540.3590863/0/netty-transport-classes-kqueue-4-1-92-final-sources-jar/io/netty/channel/kqueue/KQueueEventLoop.java

* /opt/cola/permits/1670233173_1683702540.3590863/0/netty-transport-classes-kqueue-4-1-92-final-sources-jar/io/netty/channel/kqueue/KQueue.java

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* /opt/cola/permits/1670233173_1683702540.3590863/0/netty-transport-classes-kqueue-4-1-92-final-sources-
jar/io/netty/channel/kqueue/NativeLongArray.java
*
/opt/cola/permits/1670233173_1683702540.3590863/0/netty-transport-classes-kqueue-4-1-92-final-sources-
jar/io/netty/channel/kqueue/KQueueDomainSocketChannel.java
* /opt/cola/permits/1670233173_1683702540.3590863/0/netty-transport-classes-kqueue-4-1-92-final-sources-
jar/io/netty/channel/kqueue/package-info.java
* /opt/cola/permits/1670233173_1683702540.3590863/0/netty-transport-classes-kqueue-4-1-92-final-sources-
jar/io/netty/channel/kqueue/KQueueServerChannelConfig.java
* /opt/cola/permits/1670233173_1683702540.3590863/0/netty-transport-classes-kqueue-4-1-92-final-sources-
jar/io/netty/channel/kqueue/KQueueEventArray.java
* /opt/cola/permits/1670233173_1683702540.3590863/0/netty-transport-classes-kqueue-4-1-92-final-sources-
jar/io/netty/channel/kqueue/KQueueServerSocketChannel.java
* /opt/cola/permits/1670233173_1683702540.3590863/0/netty-transport-classes-kqueue-4-1-92-final-sources-
jar/io/netty/channel/kqueue/KQueueSocketChannel.java
*
/opt/cola/permits/1670233173_1683702540.3590863/0/netty-transport-classes-kqueue-4-1-92-final-sources-
jar/io/netty/channel/kqueue/KQueueSocketChannelConfig.java
* /opt/cola/permits/1670233173_1683702540.3590863/0/netty-transport-classes-kqueue-4-1-92-final-sources-
jar/io/netty/channel/kqueue/KQueueDatagramChannelConfig.java
* /opt/cola/permits/1670233173_1683702540.3590863/0/netty-transport-classes-kqueue-4-1-92-final-sources-
jar/io/netty/channel/kqueue/KQueueRecvByteAllocatorHandle.java
* /opt/cola/permits/1670233173_1683702540.3590863/0/netty-transport-classes-kqueue-4-1-92-final-sources-
jar/io/netty/channel/kqueue/KQueueDomainSocketChannelConfig.java
* /opt/cola/permits/1670233173_1683702540.3590863/0/netty-transport-classes-kqueue-4-1-92-final-sources-
jar/io/netty/channel/kqueue/KQueueEventLoopGroup.java
* /opt/cola/permits/1670233173_1683702540.3590863/0/netty-transport-classes-kqueue-4-1-92-final-sources-
jar/io/netty/channel/kqueue/KQueueStaticallyReferencedJniMethods.java
*
/opt/cola/permits/1670233173_1683702540.3590863/0/netty-transport-classes-kqueue-4-1-92-final-sources-
jar/io/netty/channel/kqueue/AbstractKQueueChannel.java
* /opt/cola/permits/1670233173_1683702540.3590863/0/netty-transport-classes-kqueue-4-1-92-final-sources-
jar/io/netty/channel/kqueue/KQueueChannelConfig.java
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jar/io/netty/channel/kqueue/KQueueServerDomainSocketChannel.java
* /opt/cola/permits/1670233173_1683702540.3590863/0/netty-transport-classes-kqueue-4-1-92-final-sources-
jar/io/netty/channel/kqueue/KQueueDatagramChannel.java
* /opt/cola/permits/1670233173_1683702540.3590863/0/netty-transport-classes-kqueue-4-1-92-final-sources-
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/opt/cola/permits/1670233173_1683702540.3590863/0/netty-transport-classes-kqueue-4-1-92-final-sources-jar/io/netty/channel/kqueue/KQueueDomainDatagramChannelConfig.java

1.273 netty-handler 4.1.92.Final

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jar/io/netty/handler/pcap/TCPpacket.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/pcap/PcapHeaders.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/pcap/PcapWriteHandler.java
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/opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/pcap/PcapWriter.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/pcap/IPPacket.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/pcap/UDPPacket.java


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* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/pcap/package-info.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
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jar/io/netty/handler/ssl/SslCompletionEvent.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/SslClientHelloHandler.java
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*
/opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/SniCompletionEvent.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/JdkAlpnSslUtils.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/ConscryptAlpnSslEngine.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/JdkAlpnSslEngine.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/Conscrypt.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/ocsp/OcspClientHandler.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/AbstractSniHandler.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/OptionalSslHandler.java
*
/opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/ocsp/package-info.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/SslCloseCompletionEvent.java
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* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/OpenSslDefaultApplicationProtocolNegotiator.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/SniHandler.java
*
/opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/CipherSuiteFilter.java
```

* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ipfilter/IpFilterRule.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ssl/OpenSslNpnApplicationProtocolNegotiator.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ssl/SslContext.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/traffic/GlobalChannelTrafficCounter.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ssl/JdkSslClientContext.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ssl/JdkApplicationProtocolNegotiator.java
*
/opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ssl/OpenSslServerSessionContext.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ssl/util/InsecureTrustManagerFactory.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ssl/JettyAlpnSslEngine.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ssl/JdkBaseApplicationProtocolNegotiator.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolUtil.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ssl/JettyNpnSslEngine.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ssl/IdentityCipherSuiteFilter.java
*
/opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ssl/SslUtils.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ipfilter/package-info.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ssl/util/BouncyCastleSelfSignedCertGenerator.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ipfilter/AbstractRemoteAddressFilter.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ssl/JdkSslEngine.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ssl/JdkSslServerContext.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ssl/util/ThreadLocalInsecureRandom.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ipfilter/RuleBasedIpFilter.java
*
/opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ssl/OpenSslServerContext.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-

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* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/Java7SslParametersUtils.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/JdkDefaultApplicationProtocolNegotiator.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/util/FingerprintTrustManagerFactory.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/JdkAlpnApplicationProtocolNegotiator.java
*
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jar/io/netty/handler/ssl/SupportedCipherSuiteFilter.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/OpenSslClientContext.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/JdkSslContext.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/util/LazyX509Certificate.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/OpenSslEngineMap.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/OpenSslApplicationProtocolNegotiator.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/util/SimpleTrustManagerFactory.java
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/opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ipfilter/IpSubnetFilterRule.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/OpenSslContext.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/OpenSsl.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/PemReader.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ipfilter/UniqueIpFilter.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/ApplicationProtocolConfig.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/CipherSuiteConverter.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/JdkNpnApplicationProtocolNegotiator.java
*
/opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/OpenSslSessionContext.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/SslProvider.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/OpenSslSessionStats.java

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* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ipfilter/IpFilterRuleType.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/util/OpenJdkSelfSignedCertGenerator.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/OpenSslEngine.java
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jar/io/netty/handler/ssl/OpenSslPrivateKey.java
```

* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ssl/OpenSslX509TrustManagerWrapper.java

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/opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ssl/OpenSslCachingX509KeyManagerFactory.java

* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ssl/DefaultOpenSslKeyMaterial.java

* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ssl/SignatureAlgorithmConverter.java

* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ssl/OpenSslKeyMaterial.java

* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ssl/OpenSslKeyMaterialProvider.java

* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ssl/OpenSslCachingKeyMaterialProvider.java

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*

/opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ssl/OpenSslSession.java

* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ssl/ExtendedOpenSslSession.java

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jar/io/netty/handler/ssl/util/KeyManagerFactoryWrapper.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/PseudoRandomFunction.java
*
/opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/address/package-info.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/OpenSslPrivateKeyMethod.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/SslMasterKeyHandler.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/util/TrustManagerFactoryWrapper.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/address/DynamicAddressConnectHandler.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/util/X509KeyManagerWrapper.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/util/SimpleKeyManagerFactory.java

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* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ipfilter/IpSubnetFilter.java

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* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ipfilter/IpSubnetFilterRuleComparator.java

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* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/timeout/WriteTimeoutHandler.java

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/opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ssl/package-info.java

* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-

jar/io/netty/handler/stream/ChunkedNioFile.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/stream/package-info.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/timeout/IdleStateEvent.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
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* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/logging/package-info.java
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jar/io/netty/handler/timeout/TimeoutException.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
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* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/SslHandler.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/timeout/WriteTimeoutException.java
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* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/traffic/TrafficCounter.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/traffic/GlobalTrafficShapingHandler.java
*
/opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/traffic/ChannelTrafficShapingHandler.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/traffic/package-info.java
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jar/io/netty/handler/pcap/State.java
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* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ssl/BouncyCastlePemReader.java

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* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ssl/OpenSslAsyncPrivateKeyMethod.java

```
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/BouncyCastleAlpnSslEngine.java
*
/opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/SslProtocols.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/SslContextOption.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/AsyncRunnable.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/OpenSslClientSessionCache.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/OpenSslSessionId.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/BouncyCastle.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/OpenSslContextOption.java
*
/opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/OpenSslSessionCache.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/BouncyCastleAlpnSslUtils.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-
jar/io/netty/handler/ssl/GroupsConverter.java
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INF/maven/io.netty/netty-handler/pom.xml
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* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ssl/OpenSslKeyMaterialManager.java
*
/opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ssl/PemPrivateKey.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ssl/ReferenceCountedOpenSslClientContext.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/flush/package-info.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ssl/ReferenceCountedOpenSslEngine.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ssl/PemValue.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ssl/ReferenceCountedOpenSslContext.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ssl/OpenSslCertificateException.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ssl/PemX509Certificate.java
*
/opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ssl/PemEncoded.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ssl/ReferenceCountedOpenSslServerContext.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ssl/DelegatingSslContext.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ssl/util/X509TrustManagerWrapper.java
* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/flush/FlushConsolidationHandler.java

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* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolAccessor.java

*

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* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolNegotiationHandler.java

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* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ssl/util/LazyJavaxX509Certificate.java

* /opt/cola/permits/1670233238_1683702589.2249768/0/netty-handler-4-1-92-final-sources-jar/io/netty/handler/ssl/OpenSslSessionTicketKey.java

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1.274 netty-transport-classes-epoll

4.1.92.Final

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* /opt/cola/permits/1670233180_1683702520.9659946/0/netty-transport-classes-epoll-4-1-92-final-sources-jar/io/netty/channel/epoll/EpollDomainDatagramChannel.java

*

/opt/cola/permits/1670233180_1683702520.9659946/0/netty-transport-classes-epoll-4-1-92-final-sources-jar/io/netty/channel/epoll/EpollDomainDatagramChannelConfig.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.
*/
```

Found in path(s):

```
* /opt/cola/permits/1670233180_1683702520.9659946/0/netty-transport-classes-epoll-4-1-92-final-sources-
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jar/io/netty/channel/epoll/LinuxSocket.java
* /opt/cola/permits/1670233180_1683702520.9659946/0/netty-transport-classes-epoll-4-1-92-final-sources-
jar/io/netty/channel/epoll/NativeStaticallyReferencedJniMethods.java
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```
/**
* Set the {@code TCP_MD5SIG} option on the socket. See {@code linux/tcp.h} for more details.
* Keys can only be set on, not read to prevent a potential leak, as they are confidential.
* Allowing them being read would mean anyone with access to the channel could get them.
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*/
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*

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* /opt/cola/permits/1670233180_1683702520.9659946/0/netty-transport-classes-epoll-4-1-92-final-sources-jar/io/netty/channel/epoll/EpollDomainSocketChannel.java

* /opt/cola/permits/1670233180_1683702520.9659946/0/netty-transport-classes-epoll-4-1-92-final-sources-jar/io/netty/channel/epoll/EpollRecvByteAllocatorStreamingHandle.java

* /opt/cola/permits/1670233180_1683702520.9659946/0/netty-transport-classes-epoll-4-1-92-final-sources-jar/io/netty/channel/epoll/AbstractEpollServerChannel.java

* /opt/cola/permits/1670233180_1683702520.9659946/0/netty-transport-classes-epoll-4-1-92-final-sources-jar/io/netty/channel/epoll/EpollServerDomainSocketChannel.java
*

/opt/cola/permits/1670233180_1683702520.9659946/0/netty-transport-classes-epoll-4-1-92-final-sources-jar/io/netty/channel/epoll/AbstractEpollStreamChannel.java

* /opt/cola/permits/1670233180_1683702520.9659946/0/netty-transport-classes-epoll-4-1-92-final-sources-jar/io/netty/channel/epoll/EpollChannelConfig.java

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* /opt/cola/permits/1670233180_1683702520.9659946/0/netty-transport-classes-epoll-4-1-92-final-sources-jar/io/netty/channel/epoll/EpollEventArray.java

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* /opt/cola/permits/1670233180_1683702520.9659946/0/netty-transport-classes-epoll-4-1-92-final-sources-jar/io/netty/channel/epoll/Epoll.java
*
/opt/cola/permits/1670233180_1683702520.9659946/0/netty-transport-classes-epoll-4-1-92-final-sources-jar/io/netty/channel/epoll/EpollDatagramChannel.java
* /opt/cola/permits/1670233180_1683702520.9659946/0/netty-transport-classes-epoll-4-1-92-final-sources-jar/io/netty/channel/epoll/EpollEventLoop.java
* /opt/cola/permits/1670233180_1683702520.9659946/0/netty-transport-classes-epoll-4-1-92-final-sources-jar/io/netty/channel/epoll/NativeDatagramPacketArray.java
* /opt/cola/permits/1670233180_1683702520.9659946/0/netty-transport-classes-epoll-4-1-92-final-sources-jar/io/netty/channel/epoll/EpollChannelOption.java
* /opt/cola/permits/1670233180_1683702520.9659946/0/netty-transport-classes-epoll-4-1-92-final-sources-jar/io/netty/channel/epoll/EpollEventLoopGroup.java
* /opt/cola/permits/1670233180_1683702520.9659946/0/netty-transport-classes-epoll-4-1-92-final-sources-jar/io/netty/channel/epoll/EpollTcpInfo.java
* /opt/cola/permits/1670233180_1683702520.9659946/0/netty-transport-classes-epoll-4-1-92-final-sources-jar/io/netty/channel/epoll/EpollServerSocketChannel.java
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/opt/cola/permits/1670233180_1683702520.9659946/0/netty-transport-classes-epoll-4-1-92-final-sources-jar/io/netty/channel/epoll/EpollSocketChannel.java
* /opt/cola/permits/1670233180_1683702520.9659946/0/netty-transport-classes-epoll-4-1-92-final-sources-jar/io/netty/channel/epoll/AbstractEpollChannel.java

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1.275 asm 9.5

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1.276 apk-tools 2.14.0-r2

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This package contains a modified version of ca-bundle.crt:

ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#

This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:

<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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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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A. HISTORY OF THE SOFTWARE

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

principal author, although it includes many contributions from others.

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

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

All

Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

| Release | Derived 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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1.278 wget 1.21.4-r0

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1.279 alpine-baselayout 3.4.3-r1

1.279.1 Available under license :

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

```
/*
* Create mount directories in fstab
*
* Copyright(c) 2008 Natanael Copa <natanael.copa@gmail.com>
* May be distributed under the terms of GPL-2
*
* usage: mkmntdirs [fstab]
*
*/
```

Found in path(s):

```
*/opt/cola/permits/1675356458_1684887865.7744117/0/alpine-baselayout-master-zip/alpine-baselayout-master/src/mkmntdirs.c
```

1.280 libpanelw 6.4_p20230506-r0

1.280.1 Available under license :

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-- \$Id: COPYING,v 1.10 2021/01/01 09:54:30 tom Exp \$

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1.281 py3-setuptools-pyc 67.7.2-r0

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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 |
| 2.1.2 | 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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```
python -m validate_pyproject.pre_compile --output-dir=setuputils/config/_validate_pyproject --enable-plugins  
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```

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`fastjsonschema`

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`validate-pyproject`

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A. HISTORY OF THE SOFTWARE

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

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

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

All

Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes

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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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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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Contributors

- Chris McDonough, 2011/02/16
- Wichert Akkerman, 2012/02/02

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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 |

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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 |
| 2.6.2 | 2.6.1 | 2009 | PSF | yes |
| 2.6.3 | 2.6.2 | 2009 | PSF | yes |
| 2.6.4 | 2.6.3 | 2009 | PSF | yes |
| 2.6.5 | 2.6.4 | 2010 | PSF | yes |
| 2.7 | 2.6 | 2010 | PSF | yes |

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(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 direction to make these releases possible.

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Python was created in the early 1990s by Guido van Rossum at Stichting
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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
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the PSF.

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| 1.6 | 1.5.2 | 2000 | CNRI | no |
| 2.0 | 1.6 | 2000 | BeOpen.com | no |

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|-------|-----------|-----------|------|---------|
| 1.6.1 | 1.6 | 2001 | CNRI | yes (2) |
| 2.1 | 2.0+1.6.1 | 2001 | PSF | no |
| 2.0.1 | 2.0+1.6.1 | 2001 | PSF | yes |
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| 2.2 | 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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- * Arfrever Frehtes Taifersar Arahesis

- * Christophe Combelles
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- * Daniel Holth
- * Hanno Schlichting
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Python was created in the early 1990s by Guido van Rossum at Stichting

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

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

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

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1.283 libncursesw 6.4_p20230506-r0

1.283.1 Available under license :

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-- vile: txtmode file-encoding=utf-8

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-- vile:txtmode fc=72
-- \$Id: COPYING,v 1.12 2023/01/07 17:55:53 tom Exp \$
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1.284 slf4j-nop 2.0.7

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Found in path(s):

* /opt/cola/permits/1678090724_1684323555.0076678/0/posixtz-0-5-tar-xz/posixtz-0.5/posixtz.c

1.286 jackson-jaxrs 2.15.0

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1.287 jackson-jaxrs-base 2.15.0

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1.288 sirupsen-logrus 1.8.1

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1.289 common 0.32.1

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1.290 github.com/coreos/go-systemd/v22

22.3.2

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1.292 go-uber-org-atomic 1.10.0

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1.293 lz 2.6.1+incompatible

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1.295 servlet-api 6.0.0

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- javaee_6.xsd
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- javaee_web_services_client_1_3.xsd
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- web-app_3_0.xsd
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- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
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- jakartaee_10.xsd
- jakarta_web-services_2_0.xsd
- jakarta_web-services_client_2_0.xsd
- jsp_3_0.xsd
- jsp_3_1.xsd
- web-app_5_0.xsd
- web-app_6_0.xsd
- web-commonn_5_0.xsd
- web-commonn_6_0.xsd
- web-fragment_5_0.xsd
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1.296 libc-utils 0.7.2-r5

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*
* @(#)queue.h 8.5 (Berkeley) 8/20/94
*/

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* /opt/cola/permits/1686513755_1685082238.691036/0/aports-master-main-libc-dev-
zip/aports-master-main-libc-dev/main/libc-dev/sys-queue.h

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Found in path(s):

* /opt/cola/permits/1686513755_1685082238.691036/0/aports-master-main-libc-dev-
zip/aports-master-main-libc-dev/main/libc-dev/sys-tree.h

1.297 urllib3 1.26.16

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1.298 jackson 2.15.1

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Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers.

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Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library.

It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007.

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@page

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

Ty Coon, President of Vice

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1.304 alpine-baselayout-data 3.4.3-r1

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```
/*  
* Create mount directories in fstab  
*  
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*  
* usage: mkmntdirs [fstab]  
*  
*/
```

Found in path(s):

* /opt/cola/permits/1690300026_1684996389.3603017/0/alpine-baselayout-master-zip/alpine-baselayout-master/src/mkmdir.c

1.305 bash 5.2.15-r5

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```
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```
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```

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```

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1.307 netty-handler 4.1.93.Final

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jar/io/netty/handler/ssl/BouncyCastlePemReader.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-
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* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/ssl/OpenSslSessionTicketKey.java

* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/ssl/SslContextBuilder.java

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* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/ssl/AbstractSniHandler.java

* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/ssl/Conscrypt.java

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jar/io/netty/handler/ssl/ocsp/package-info.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-
jar/io/netty/handler/ssl/SslCloseCompletionEvent.java
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jar/io/netty/handler/ssl/SslClientHelloHandler.java
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*

/opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/timeout/IdleStateEvent.java

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* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/timeout/ReadTimeoutHandler.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/timeout/WriteTimeoutException.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/timeout/package-info.java
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* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/logging/LoggingHandler.java
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*

/opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/ssl/BouncyCastle.java

* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/ssl/GroupsConverter.java

* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/ssl/OpenSslSessionId.java

* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/ssl/OpenSslContextOption.java

* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/ssl/BouncyCastleAlpnSslUtils.java

* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/ssl/BouncyCastleAlpnSslEngine.java

* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-

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jar/io/netty/handler/ssl/OpenSslSessionCache.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-
jar/io/netty/handler/ssl/SslContextOption.java
*
/opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-
jar/io/netty/handler/ssl/OpenSslClientSessionCache.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-
jar/io/netty/handler/ssl/SslProtocols.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-
jar/io/netty/handler/ssl/Ciphers.java
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jar/io/netty/handler/ssl/OpenSsl.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-
jar/io/netty/handler/ssl/SslUtils.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-
jar/io/netty/handler/ssl/OpenSslEngineMap.java
*
/opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-
jar/io/netty/handler/ssl/OpenSslServerContext.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-
jar/io/netty/handler/ssl/JdkAlpnApplicationProtocolNegotiator.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-
jar/io/netty/handler/ssl/OpenSslApplicationProtocolNegotiator.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-
jar/io/netty/handler/ssl/ApplicationProtocolUtil.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-
jar/io/netty/handler/ssl/CipherSuiteFilter.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-
jar/io/netty/handler/ssl/util/SimpleTrustManagerFactory.java
```

* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/ipfilter/IpFilterRule.java
*
/opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/ssl/JdkSslServerContext.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/ssl/SniHandler.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/ssl/util/LazyX509Certificate.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/ssl/JdkSslEngine.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/ipfilter/IpSubnetFilterRule.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/ssl/IdentityCipherSuiteFilter.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/ssl/OpenSslSessionStats.java
*
/opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/ssl/OpenSslDefaultApplicationProtocolNegotiator.java
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* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/ssl/JdkApplicationProtocolNegotiator.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/ssl/OpenSslServerSessionContext.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolNegotiator.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/ssl/JettyAlpnSslEngine.java
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*
/opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/ssl/SslProvider.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/ssl/OpenSslClientContext.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/ssl/JdkDefaultApplicationProtocolNegotiator.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/ssl/JdkNpnApplicationProtocolNegotiator.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/ssl/util/ThreadLocalInsecureRandom.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/ssl/OpenSslNpnApplicationProtocolNegotiator.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/ipfilter/RuleBasedIpFilter.java
*

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jar/io/netty/handler/ssl/PemReader.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-
jar/io/netty/handler/ssl/SupportedCipherSuiteFilter.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-
jar/io/netty/handler/ssl/SslContext.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-
jar/io/netty/handler/ssl/JdkBaseApplicationProtocolNegotiator.java
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* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-
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* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-
jar/io/netty/handler/ipfilter/package-info.java
*
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jar/io/netty/handler/ssl/util/InsecureTrustManagerFactory.java
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jar/io/netty/handler/ssl/Java7SslParametersUtils.java
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* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-
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* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-
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* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-
jar/io/netty/handler/ssl/util/BouncyCastleSelfSignedCertGenerator.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-
jar/io/netty/handler/ssl/util/OpenJdkSelfSignedCertGenerator.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-
jar/io/netty/handler/ssl/JdkSslContext.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-
jar/io/netty/handler/ssl/JettyNpnSslEngine.java
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jar/io/netty/handler/address/package-info.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-
jar/io/netty/handler/ssl/SslMasterKeyHandler.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-
jar/io/netty/handler/ssl/util/X509KeyManagerWrapper.java
*
/opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-
jar/io/netty/handler/address/DynamicAddressConnectHandler.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-
jar/io/netty/handler/ssl/util/SimpleKeyManagerFactory.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-
jar/io/netty/handler/ssl/PseudoRandomFunction.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-
jar/io/netty/handler/ssl/OpenSslPrivateKeyMethod.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-
jar/io/netty/handler/ssl/util/KeyManagerFactoryWrapper.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-
jar/io/netty/handler/ssl/util/TrustManagerFactoryWrapper.java

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*

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* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/ipfilter/IpSubnetFilter.java
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* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/ssl/OpenSslCertificateException.java
*
/opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/ssl/OpenSslKeyMaterialManager.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/ssl/DelegatingSslContext.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/ssl/PemPrivateKey.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/ssl/PemX509Certificate.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/ssl/ReferenceCountedOpenSslContext.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/ssl/util/X509TrustManagerWrapper.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/ssl/PemValue.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/ssl/ReferenceCountedOpenSslEngine.java
*
/opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/flush/FlushConsolidationHandler.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/ssl/ReferenceCountedOpenSslClientContext.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/flush/package-info.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/ssl/Java8SslUtils.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/ssl/ReferenceCountedOpenSslServerContext.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-jar/io/netty/handler/ssl/PemEncoded.java
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jar/io/netty/handler/ssl/SignatureAlgorithmConverter.java
*
/opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-
jar/io/netty/handler/ssl/DefaultOpenSslKeyMaterial.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-
jar/io/netty/handler/ssl/OpenSslCachingKeyMaterialProvider.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-
jar/io/netty/handler/ssl/OpenSslCachingX509KeyManagerFactory.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-
jar/io/netty/handler/ssl/ExtendedOpenSslSession.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-
jar/io/netty/handler/ssl/OpenSslX509TrustManagerWrapper.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-
jar/io/netty/handler/ssl/OpenSslSession.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-
jar/io/netty/handler/ssl/OpenSslPrivateKey.java
*
/opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-
jar/io/netty/handler/ssl/OpenSslX509KeyManagerFactory.java
* /opt/cola/permits/1698848164_1685285720.1511803/0/netty-handler-4-1-93-final-sources-
jar/io/netty/handler/ssl/OpenSslKeyMaterialProvider.java
```

1.308 netty-resolver 4.1.93.Final

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* /opt/cola/permits/1698848093_1685285744.9963214/0/netty-resolver-4-1-93-final-sources-jar/io/netty/resolver/NoopAddressResolver.java

* /opt/cola/permits/1698848093_1685285744.9963214/0/netty-resolver-4-1-93-final-sources-jar/io/netty/resolver/NoopAddressResolverGroup.java

*

/opt/cola/permits/1698848093_1685285744.9963214/0/netty-resolver-4-1-93-final-sources-jar/io/netty/resolver/AddressResolverGroup.java

* /opt/cola/permits/1698848093_1685285744.9963214/0/netty-resolver-4-1-93-final-sources-jar/io/netty/resolver/NameResolver.java

* /opt/cola/permits/1698848093_1685285744.9963214/0/netty-resolver-4-1-93-final-sources-jar/io/netty/resolver/package-info.java

* /opt/cola/permits/1698848093_1685285744.9963214/0/netty-resolver-4-1-93-final-sources-jar/io/netty/resolver/SimpleNameResolver.java

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* /opt/cola/permits/1698848093_1685285744.9963214/0/netty-resolver-4-1-93-final-sources-jar/io/netty/resolver/HostsFileEntriesProvider.java

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* /opt/cola/permits/1698848093_1685285744.9963214/0/netty-resolver-4-1-93-final-sources-jar/io/netty/resolver/DefaultAddressResolverGroup.java
* /opt/cola/permits/1698848093_1685285744.9963214/0/netty-resolver-4-1-93-final-sources-jar/io/netty/resolver/InetAddressResolver.java
*
/opt/cola/permits/1698848093_1685285744.9963214/0/netty-resolver-4-1-93-final-sources-jar/io/netty/resolver/HostsFileEntriesResolver.java
* /opt/cola/permits/1698848093_1685285744.9963214/0/netty-resolver-4-1-93-final-sources-jar/io/netty/resolver/AbstractAddressResolver.java
* /opt/cola/permits/1698848093_1685285744.9963214/0/netty-resolver-4-1-93-final-sources-jar/io/netty/resolver/DefaultHostsFileEntriesResolver.java
* /opt/cola/permits/1698848093_1685285744.9963214/0/netty-resolver-4-1-93-final-sources-jar/io/netty/resolver/AddressResolver.java
* /opt/cola/permits/1698848093_1685285744.9963214/0/netty-resolver-4-1-93-final-sources-jar/io/netty/resolver/HostsFileParser.java
* /opt/cola/permits/1698848093_1685285744.9963214/0/netty-resolver-4-1-93-final-sources-jar/io/netty/resolver/InetSocketAddressResolver.java
* /opt/cola/permits/1698848093_1685285744.9963214/0/netty-resolver-4-1-93-final-sources-jar/io/netty/resolver/DefaultNameResolver.java
* /opt/cola/permits/1698848093_1685285744.9963214/0/netty-resolver-4-1-93-final-sources-jar/io/netty/resolver/CompositeNameResolver.java

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* /opt/cola/permits/1698848093_1685285744.9963214/0/netty-resolver-4-1-93-final-sources-jar/io/netty/resolver/RoundRobinInetAddressResolver.java

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* /opt/cola/permits/1698848093_1685285744.9963214/0/netty-resolver-4-1-93-final-sources-jar/io/netty/resolver/HostsFileEntries.java

* /opt/cola/permits/1698848093_1685285744.9963214/0/netty-resolver-4-1-93-final-sources-jar/io/netty/resolver/ResolvedAddressTypes.java

1.309 netty-codec 4.1.93.Final

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```
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-
jar/io/netty/handler/codec/compression/CompressionUtil.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-
jar/io/netty/handler/codec/DateFormatter.java
*
/opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-
jar/io/netty/handler/codec/string/LineEncoder.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-
jar/io/netty/handler/codec/string/LineSeparator.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-
jar/io/netty/handler/codec/DatagramPacketEncoder.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-
jar/io/netty/handler/codec/CodecOutputList.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-
jar/io/netty/handler/codec/DatagramPacketDecoder.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-
jar/io/netty/handler/codec/compression/ByteBufChecksum.java
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* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/compression/SnappyFramedDecoder.java
*
/opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/compression/FastLzFrameDecoder.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/json/package-info.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/compression/FastLz.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/compression/Bzip2Encoder.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/compression/Bzip2Decoder.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/compression/Crc32.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/compression/LzfDecoder.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/MessageAggregationException.java
*
/opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/compression/LzmaFrameEncoder.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/compression/FastLzFrameEncoder.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/compression/LzfEncoder.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/compression/Bzip2BitReader.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/AsciiHeadersEncoder.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/compression/Bzip2DivSufSort.java
*
/opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/compression/Bzip2MoveToFrontTable.java

* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/compression/Bzip2Rand.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/compression/Bzip2BitWriter.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/compression/Bzip2HuffmanStageEncoder.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/compression/SnappyFramedEncoder.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/compression/Bzip2HuffmanStageDecoder.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/compression/Bzip2BlockCompressor.java
*

/opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/compression/Bzip2Constants.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/compression/Bzip2MTFAndRLE2StageEncoder.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/json/JsonObjectDecoder.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/compression/Bzip2HuffmanAllocator.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/compression/Bzip2BlockDecompressor.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/compression/Lz4FrameDecoder.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/compression/Lz4FrameEncoder.java
*

/opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/DecoderResultProvider.java

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* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/compression/Crc32c.java
*

/opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/xml/XmlFrameDecoder.java

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jar/io/netty/handler/codec/DefaultHeadersImpl.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-
jar/io/netty/handler/codec/CharSequenceValueConverter.java
*

/opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-
jar/io/netty/handler/codec/ValueConverter.java

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/**

* Utility class for {@link ByteBuf} that encodes and decodes to and from

* [Base64](https://en.wikipedia.org/wiki/Base64) notation.

* <p>

* The encoding and decoding algorithm in this class has been derived from

* <http://iharder.sourceforge.net/current/java/base64/>Robert Harder's Public Domain

* Base64 Encoder/Decoder.

*/

Found in path(s):

* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/base64/Base64.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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* Base64 Encoder/Decoder.

*/

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* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/base64/Base64Dialect.java

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- */

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- * /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/marshalling/DefaultUnmarshallerProvider.java
- * /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/marshalling/package-info.java
- *
- /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/bytes/ByteArrayEncoder.java
- * /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/compression/JZlibDecoder.java
- * /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/marshalling/ChannelBufferByteInput.java
- * /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/marshalling/UnmarshallerProvider.java
- * /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/DelimiterBasedFrameDecoder.java
- * /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/marshalling/MarshallingDecoder.java
- * /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/serialization/CompactObjectOutputStream.java
- *
- /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/serialization/ObjectDecoderInputStream.java
- * /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/UnsupportedMessageTypeException.java
- * /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/compression/DecompressionException.java
- * /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/bytes/ByteArrayDecoder.java
- * /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/FixedLengthFrameDecoder.java
- * /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/serialization/ObjectEncoderOutputStream.java
- * /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/compression/JdkZlibEncoder.java
- *
- /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/serialization/package-info.java
- * /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/base64/Base64Encoder.java
- * /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/serialization/CompactObjectInputStream.java
- * /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-

```

jar/io/netty/handler/codec/MessageToMessageCodec.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-
jar/io/netty/handler/codec/compression/ZlibDecoder.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-
jar/io/netty/handler/codec/EncoderException.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-
jar/io/netty/handler/codec/marshalling/MarshallingEncoder.java
*
/opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-
jar/io/netty/handler/codec/marshalling/CompatibleMarshallingEncoder.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-
jar/io/netty/handler/codec/compression/ZlibEncoder.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-
jar/io/netty/handler/codec/serialization/ClassLoaderClassResolver.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-
jar/io/netty/handler/codec/marshalling/MarshallerProvider.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-
jar/io/netty/handler/codec/compression/ZlibUtil.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-
jar/io/netty/handler/codec/serialization/ObjectEncoder.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-
jar/io/netty/handler/codec/MessageAggregator.java
*
/opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-
jar/io/netty/handler/codec/compression/JZlibEncoder.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-
jar/io/netty/handler/codec/string/StringEncoder.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-
jar/io/netty/handler/codec/MessageToMessageEncoder.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-
jar/io/netty/handler/codec/base64/Base64Decoder.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-
jar/io/netty/handler/codec/LineBasedFrameDecoder.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-
jar/io/netty/handler/codec/marshalling/CompatibleMarshallingDecoder.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-
jar/io/netty/handler/codec/marshalling/ContextBoundUnmarshallerProvider.java
*
/opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-
jar/io/netty/handler/codec/xml/package-info.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-
jar/io/netty/handler/codec/TooLongFrameException.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-
jar/io/netty/handler/codec/DecoderException.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-
jar/io/netty/handler/codec/base64/package-info.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-
jar/io/netty/handler/codec/MessageToMessageDecoder.java

```

* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/compression/CompressionException.java

* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/ByteToMessageDecoder.java

*

/opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/DecoderResult.java

* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/CodecException.java

* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/ReplayingDecoder.java

* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/serialization/ReferenceMap.java

* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/compression/SnappyFrameDecoder.java

* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/PrematureChannelClosureException.java

* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/compression/Snappy.java

*

/opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/MessageToByteEncoder.java

* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/package-info.java

* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/compression/SnappyFrameEncoder.java

* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/ByteToMessageCodec.java

* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/protobuf/package-info.java

* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/serialization/SoftReferenceMap.java

* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/marshalling/ThreadLocalMarshallerProvider.java

*

/opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/ReplayingDecoderByteBuf.java

* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/serialization/ObjectDecoder.java

* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/serialization/CompatibleObjectEncoder.java

* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/string/StringDecoder.java

* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/marshalling/LimitingByteInput.java

* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/Delimiters.java

* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-

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jar/io/netty/handler/codec/compression/ZlibCodecFactory.java
*
/opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-
jar/io/netty/handler/codec/bytes/package-info.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-
jar/io/netty/handler/codec/compression/package-info.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-
jar/io/netty/handler/codec/LengthFieldPrepender.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-
jar/io/netty/handler/codec/serialization/WeakReferenceMap.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-
jar/io/netty/handler/codec/CorruptedFrameException.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-
jar/io/netty/handler/codec/marshalling/ChannelBufferByteOutput.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-
jar/io/netty/handler/codec/marshalling/DefaultMarshallerProvider.java
*
/opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-
jar/io/netty/handler/codec/compression/ZlibWrapper.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-
jar/io/netty/handler/codec/marshalling/ThreadLocalUnmarshallerProvider.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-
jar/io/netty/handler/codec/serialization/CachingClassResolver.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-
jar/io/netty/handler/codec/serialization/ClassResolvers.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-
jar/io/netty/handler/codec/string/package-info.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-
jar/io/netty/handler/codec/serialization/ClassResolver.java
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```

```
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*/
/**
* A decoder that splits the received {@link ByteBuf}s dynamically by the
```

- * value of the length field in the message. It is particularly useful when you
- * decode a binary message which has an integer header field that represents the
- * length of the message body or the whole message.

<p>

- * { @link LengthFieldBasedFrameDecoder } has many configuration parameters so
- * that it can decode any message with a length field, which is often seen in
- * proprietary client-server protocols. Here are some example that will give
- * you the basic idea on which option does what.

* <h3>2 bytes length field at offset 0, do not strip header</h3>

- * The value of the length field in this example is <tt>12 (0x0C)</tt> which
- * represents the length of "HELLO, WORLD". By default, the decoder assumes
- * that the length field represents the number of the bytes that follows the
- * length field. Therefore, it can be decoded with the simplistic parameter
- * combination.

* <pre>

- * lengthFieldOffset = 0
- * lengthFieldLength = 2
- * lengthAdjustment = 0
- * initialBytesToStrip = 0 (= do not strip header)

* BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)

```
* +-----+-----+      +-----+-----+
* | Length | Actual Content
* |---->| Length | Actual Content |
* | 0x000C | "HELLO, WORLD" |      | 0x000C | "HELLO, WORLD" |
```

* </pre>

* <h3>2 bytes length field at offset 0, strip header</h3>

- * Because we can get the length of the content by calling
- * { @link ByteBuf#readableBytes() }, you might want to strip the length
- * field by specifying <tt>initialBytesToStrip</tt>. In this example, we
- * specified <tt>2</tt>, that is same with the length of the length field, to
- * strip the first two bytes.

* <pre>

- * lengthFieldOffset = 0
- * lengthFieldLength = 2
- * lengthAdjustment = 0
- * initialBytesToStrip = 2 (= the length of the Length field)

* BEFORE DECODE (14 bytes) AFTER DECODE (12 bytes)

```
* +-----+-----+      +-----+
* | Length | Actual Content |---->| Actual Content |
* | 0x000C | "HELLO, WORLD" |      | "HELLO, WORLD" |
```



```

* +-----+-----+ +-----+
* </pre>
*
* <h3>2 bytes length field at offset 0, do not strip header, the length field
* represents the length of the whole message</h3>
*
* In most cases, the length field represents the length of the message body
* only, as shown in the previous examples. However, in some protocols, the
* length field represents the length of the whole message, including the
* message header. In such a case, we specify a non-zero
* <tt>lengthAdjustment</tt>. Because the length value in this example message
* is always greater than the body length by <tt>2</tt>, we specify <tt>-2</tt>
* as <tt>lengthAdjustment</tt> for compensation.
* <pre>
* lengthFieldOffset = 0
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = <b>-2</b> (= the length of the Length field)
* initialBytesToStrip = 0
*
* BEFORE DECODE (14 bytes)      AFTER DECODE (14 bytes)
* +-----+-----+ +-----+
* | Length | Actual Content |---->| Length | Actual
  Content |
* | 0x000E | "HELLO, WORLD" |   | 0x000E | "HELLO, WORLD" |
* +-----+-----+ +-----+
* </pre>
*
* <h3>3 bytes length field at the end of 5 bytes header, do not strip header</h3>
*
* The following message is a simple variation of the first example. An extra
* header value is prepended to the message. <tt>lengthAdjustment</tt> is zero
* again because the decoder always takes the length of the prepended data into
* account during frame length calculation.
* <pre>
* <b>lengthFieldOffset</b> = <b>2</b> (= the length of Header 1)
* <b>lengthFieldLength</b> = <b>3</b>
* lengthAdjustment = 0
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes)      AFTER DECODE (17 bytes)
* +-----+-----+-----+ +-----+-----+-----+
* | Header 1 | Length | Actual Content |---->| Header 1 | Length | Actual Content |
* | 0xCAFE | 0x00000C | "HELLO, WORLD" |
  | 0xCAFE | 0x00000C | "HELLO, WORLD" |
* +-----+-----+-----+ +-----+-----+-----+
* </pre>
*
* <h3>3 bytes length field at the beginning of 5 bytes header, do not strip header</h3>

```

* This is an advanced example that shows the case where there is an extra header between the length field and the message body. You have to specify a positive `lengthAdjustment` so that the decoder counts the extra header into the frame length calculation.

```

* <pre>
* lengthFieldOffset = 0
* lengthFieldLength = 3
* <b>lengthAdjustment</b> = <b>2</b> (= the length of Header 1)
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes)          AFTER DECODE (17 bytes)
* +-----+-----+-----+-----+ +-----+-----+-----+-----+
* | Length | Header 1 | Actual Content |---->| Length | Header 1 | Actual Content |
* | 0x00000C | 0xCAFE | "HELLO, WORLD" | | 0x00000C | 0xCAFE | "HELLO,
* WORLD" |
* +-----+-----+-----+-----+ +-----+-----+-----+-----+
* </pre>

```

* `2` bytes length field at offset 1 in the middle of 4 bytes header,
 * strip the first header field and the length field

* This is a combination of all the examples above. There are the prepended header before the length field and the extra header after the length field. The prepended header affects the `lengthFieldOffset` and the extra header affects the `lengthAdjustment`. We also specified a non-zero `initialBytesToStrip` to strip the length field and the prepended header from the frame. If you don't want to strip the prepended header, you could specify `0` for `initialBytesToSkip`.

```

* <pre>
* lengthFieldOffset = 1 (= the length of HDR1)
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = <b>1</b> (= the length of HDR2)
* <b>initialBytesToStrip</b> = <b>3</b> (= the length of HDR1 +
* LEN)
*
* BEFORE DECODE (16 bytes)          AFTER DECODE (13 bytes)
* +-----+-----+-----+-----+ +-----+-----+-----+-----+
* | HDR1 | Length | HDR2 | Actual Content |---->| HDR2 | Actual Content |
* | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" | | 0xFE | "HELLO, WORLD" |
* +-----+-----+-----+-----+ +-----+-----+-----+-----+
* </pre>

```

* `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

* Let's give another twist to the previous example. The only difference from

* the previous example is that the length field represents the length of the
 * whole message instead of the message body, just like the third example.
 * We have to count the length of HDR1 and Length into `<tt>lengthAdjustment</tt>`.
 * Please note that we don't need to take the length of HDR2 into account
 * because
 the length field already includes the whole header length.

```
* <pre>
* lengthFieldOffset = 1
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = <b>-3</b> (= the length of HDR1 + LEN, negative)
* <b>initialBytesToStrip</b> = <b>3</b>
```

```
*
* BEFORE DECODE (16 bytes)          AFTER DECODE (13 bytes)
* +-----+-----+-----+-----+-----+ +-----+-----+
* | HDR1 | Length | HDR2 | Actual Content |---->| HDR2 | Actual Content |
* | 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" |    | 0xFE | "HELLO, WORLD" |
* +-----+-----+-----+-----+-----+ +-----+-----+
* </pre>
* @see LengthFieldPrepender
*/
```

Found in path(s):

* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java

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* under the License.
*/
```

Found in path(s):

* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/compression/Lz4XXHash32.java

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Found in path(s):

* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/META-INF/maven/io.netty/netty-codec/pom.xml

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* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/HeadersUtils.java

*

/opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/ProtocolDetectionState.java

* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufEncoder.java

* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufEncoderNano.java

* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufDecoder.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufVarint32FrameDecoder.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/ProtocolDetectionResult.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufVarint32LengthFieldPrepender.java
*
/opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/UnsupportedValueConverter.java
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* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/compression/Zstd.java
*
/opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/compression/BrotliDecoder.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/compression/StandardCompressionOptions.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/compression/ZstdOptions.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/compression/DeflateOptions.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/compression/BrotliOptions.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-jar/io/netty/handler/codec/compression/ZstdConstants.java
* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-

jar/io/netty/handler/codec/compression/Brotli.java

*

/opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-

jar/io/netty/handler/codec/compression/CompressionOptions.java

* /opt/cola/permits/1698847974_1685285733.3736825/0/netty-codec-4-1-93-final-sources-

jar/io/netty/handler/codec/compression/ZstdEncoder.java

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jar/io/netty/handler/codec/compression/GzipOptions.java

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jar/io/netty/handler/codec/Headers.java

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jar/io/netty/handler/codec/DefaultHeaders.java

1.310 netty-transport-native-unix-common

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* /opt/cola/permits/1698847988_1685285741.888796/0/netty-transport-native-unix-common-4-1-93-final-sources-jar/io/netty/channel/unix/IntegerUnixChannelOption.java
*
/opt/cola/permits/1698847988_1685285741.888796/0/netty-transport-native-unix-common-4-1-93-final-sources-jar/io/netty/channel/unix/GenericUnixChannelOption.java
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* /opt/cola/permits/1698847988_1685285741.888796/0/netty-transport-native-unix-common-4-1-93-final-sources-jar/io/netty/channel/unix/PreferredDirectByteBufAllocator.java
*
/opt/cola/permits/1698847988_1685285741.888796/0/netty-transport-native-unix-common-4-1-93-final-sources-jar/netty_unix_buffer.c
* /opt/cola/permits/1698847988_1685285741.888796/0/netty-transport-native-unix-common-4-1-93-final-sources-jar/netty_unix_buffer.h
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jar/io/netty/channel/unix/Unix.java
*
/opt/cola/permits/1698847988_1685285741.888796/0/netty-transport-native-unix-common-4-1-93-final-sources-
jar/io/netty/channel/unix/IovArray.java
* /opt/cola/permits/1698847988_1685285741.888796/0/netty-transport-native-unix-common-4-1-93-final-sources-
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* /opt/cola/permits/1698847988_1685285741.888796/0/netty-transport-native-unix-common-4-1-93-final-sources-
```


jar/io/netty/channel/unix/DomainDatagramChannel.java

*

/opt/cola/permits/1698847988_1685285741.888796/0/netty-transport-native-unix-common-4-1-93-final-sources-

jar/io/netty/channel/unix/DomainDatagramSocketAddress.java

* /opt/cola/permits/1698847988_1685285741.888796/0/netty-transport-native-unix-common-4-1-93-final-sources-

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* /opt/cola/permits/1698847988_1685285741.888796/0/netty-transport-native-unix-common-4-1-93-final-sources-

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* /opt/cola/permits/1698847988_1685285741.888796/0/netty-transport-native-unix-common-4-1-93-final-sources-jar/io/netty/channel/unix/UnixChannelUtil.java

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* /opt/cola/permits/1698847988_1685285741.888796/0/netty-transport-native-unix-common-4-1-93-final-sources-jar/netty_unix_limits.c

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* /opt/cola/permits/1698847988_1685285741.888796/0/netty-transport-native-unix-common-4-1-93-final-sources-jar/io/netty/channel/unix/PeerCredentials.java

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* /opt/cola/permits/1698847988_1685285741.888796/0/netty-transport-native-unix-common-4-1-93-final-sources-jar/io/netty/channel/unix/Limits.java

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* /opt/cola/permits/1698847988_1685285741.888796/0/netty-transport-native-unix-common-4-1-93-final-sources-jar/io/netty/channel/unix/NativeInetAddress.java
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* /opt/cola/permits/1698847988_1685285741.888796/0/netty-transport-native-unix-common-4-1-93-final-sources-jar/netty_unix_filedescriptor.h

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* /opt/cola/permits/1698847988_1685285741.888796/0/netty-transport-native-unix-common-4-1-93-final-sources-

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jar/io/netty/channel/unix/DomainSocketChannelConfig.java
* /opt/cola/permits/1698847988_1685285741.888796/0/netty-transport-native-unix-common-4-1-93-final-sources-
jar/netty_unix_errors.c
* /opt/cola/permits/1698847988_1685285741.888796/0/netty-transport-native-unix-common-4-1-93-final-sources-
jar/io/netty/channel/unix/DatagramSocketAddress.java
* /opt/cola/permits/1698847988_1685285741.888796/0/netty-transport-native-unix-common-4-1-93-final-sources-
jar/netty_unix_filedescriptor.c
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jar/netty_unix_errors.h
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jar/netty_unix_socket.c
* /opt/cola/permits/1698847988_1685285741.888796/0/netty-transport-native-unix-common-4-1-93-final-sources-
jar/io/netty/channel/unix/Socket.java
* /opt/cola/permits/1698847988_1685285741.888796/0/netty-transport-native-unix-common-4-1-93-final-sources-
jar/io/netty/channel/unix/FileDescriptor.java
* /opt/cola/permits/1698847988_1685285741.888796/0/netty-transport-native-unix-common-4-1-93-final-sources-
jar/netty_unix_socket.h
* /opt/cola/permits/1698847988_1685285741.888796/0/netty-transport-native-unix-common-4-1-93-final-sources-
jar/io/netty/channel/unix/ServerDomainSocketChannel.java
*
/opt/cola/permits/1698847988_1685285741.888796/0/netty-transport-native-unix-common-4-1-93-final-sources-
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* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/socket/DuplexChannelConfig.java

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* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-

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* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-

jar/io/netty/channel/oio/OioByteStreamChannel.java

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* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/META-

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* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/ExtendedClosedChannelException.java

* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/EventLoopTaskQueueFactory.java

*

/opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/ChannelHandlerMask.java

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Found in path(s):

* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/internal/ChannelUtils.java

* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/socket/ChannelInputShutdownReadComplete.java

*

/opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/bootstrap/FailedChannel.java

* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/socket/ChannelOutputShutdownEvent.java

* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/internal/package-info.java

* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/DelegatingChannelPromiseNotifier.java

* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/nio/SelectedSelectionKeySetSelector.java

* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/PendingBytesTracker.java

* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/socket/oio/DefaultOioDatagramChannelConfig.java

```
*
/opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/socket/oio/OioDatagramChannelConfig.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/socket/ChannelOutputShutdownException.java
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Found in path(s):

```
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/META-
INF/maven/io.netty/netty-transport/pom.xml
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* distributed under the License is distributed on an "AS IS" BASIS, WITHOUT
* WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the
* License for the specific language governing permissions and limitations
* under the License.
*/
/**
* Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
* its { @link ChannelPipeline }.
*
* <h3>Sub-types</h3>
```


* <p>

* { @link ChannelHandler } itself does not provide many methods, but you usually have to implement one of its subtypes:

*

* { @link ChannelInboundHandler } to handle inbound I/O events, and

* { @link ChannelOutboundHandler } to handle outbound I/O operations.

*

* </p>

* <p>

* Alternatively, the following adapter classes are provided for your convenience:

*

* { @link ChannelInboundHandlerAdapter } to handle inbound I/O events,

* { @link ChannelOutboundHandlerAdapter } to handle outbound I/O operations, and

* { @link ChannelDuplexHandler } to handle both inbound and outbound events

*

* </p>

* <p>

* For more information, please refer to the documentation of each subtype.

* </p>

* </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.

* </p>

* <h3>State management</h3>

* </p>

* 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

* }

* </pre>

* public class DataServerHandler extends { @link SimpleChannelInboundHandler }<Message> {

* private boolean loggedIn;

* </pre>

* { @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

* the JCIP annotations.

*

* <h3>Additional resources worth reading</h3>

* <p>

* Please refer to the { @link ChannelHandler}, and

* { @link ChannelPipeline} to find out more about inbound and outbound operations,

* what fundamental differences they have, how they flow in a pipeline, and how to handle

* the operation in your application.

*/

Found in path(s):

* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/ChannelHandler.java

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* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/CoalescingBufferQueue.java

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* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/pool/FixedChannelPool.java

* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/MaxMessagesRecvByteBufAllocator.java

*

/opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/DefaultMaxMessagesRecvByteBufAllocator.java

* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/pool/AbstractChannelPoolMap.java

* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/pool/SimpleChannelPool.java

* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/MaxBytesRecvByteBufAllocator.java

* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/pool/AbstractChannelPoolHandler.java

* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/pool/package-info.java

* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/pool/ChannelHealthChecker.java

*

/opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/pool/ChannelPool.java

* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/pool/ChannelPoolMap.java

```
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/DefaultMaxBytesRecvByteBufAllocator.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/pool/ChannelPoolHandler.java
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* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/local/LocalChannelRegistry.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/ChannelOutboundHandler.java
*
/opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/AbstractChannel.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/socket/SocketChannel.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/ChannelMetadata.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/ChannelPromise.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/socket/oio/package-info.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/ChannelFuture.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/local/package-info.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/bootstrap/package-info.java
*
/opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/nio/AbstractNioByteChannel.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
```

```

jar/io/netty/channel/DefaultEventLoop.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/EventLoopGroup.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/local/LocalEventLoopGroup.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/oio/OioEventLoopGroup.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/ChannelFlushPromiseNotifier.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/embedded/EmbeddedSocketAddress.java
*
/opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/embedded/package-info.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/SingleThreadEventLoop.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/nio/NioEventLoop.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/socket/DatagramChannel.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/bootstrap/AbstractBootstrap.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/CompleteChannelFuture.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/socket/oio/OioSocketChannel.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/embedded/EmbeddedChannel.java
*
/opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/nio/NioTask.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/socket/oio/OioServerSocketChannel.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/DefaultEventLoopGroup.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/nio/AbstractNioChannel.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/ChannelException.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/DefaultFileRegion.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/ThreadPerChannelEventLoopGroup.java
*
/opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/ChannelOutboundHandlerAdapter.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/socket/DatagramChannelConfig.java

```

* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/FailedChannelFuture.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/socket/nio/NioDatagramChannelConfig.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/AbstractChannelHandlerContext.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/socket/nio/NioServerSocketChannel.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/embedded/EmbeddedEventLoop.java
*
/opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/ChannelDuplexHandler.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/DefaultChannelPipeline.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/ChannelInboundHandler.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/socket/nio/ProtocolFamilyConverter.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/local/LocalServerChannel.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/RecvByteBufAllocator.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/ChannelInboundHandlerAdapter.java
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/opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/ChannelPromiseNotifier.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/group/ChannelGroupFutureListener.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/socket/ServerSocketChannelConfig.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/local/LocalChannel.java
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* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/nio/AbstractNioMessageChannel.java
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jar/io/netty/channel/VoidChannelPromise.java
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jar/io/netty/channel/socket/ChannelInputShutdownEvent.java
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jar/io/netty/channel/ChannelFutureListener.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/nio/NioEventLoopGroup.java
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jar/io/netty/channel/socket/nio/NioDatagramChannel.java
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jar/io/netty/channel/ThreadPerChannelEventLoop.java
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* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/ChannelPromiseAggregator.java
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jar/io/netty/channel/socket/nio/NioSocketChannel.java
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 * /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/socket/DefaultSocketChannelConfig.java
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 * /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/oio/AbstractOioByteChannel.java
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 /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/bootstrap/ServerBootstrap.java
 * /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/socket/nio/package-info.java
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 * /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/package-info.java
 * /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/group/ChannelGroupFuture.java
 * /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/socket/package-info.java
 *
 /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/DefaultChannelPromise.java
 * /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/socket/DefaultServerSocketChannelConfig.java
 * /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/bootstrap/Bootstrap.java
 * /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/FileRegion.java
 * /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/DefaultChannelConfig.java

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```
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/ReflectiveChannelFactory.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/AbstractEventLoop.java
*
```

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/opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/PendingWriteQueue.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/embedded/EmbeddedChannelId.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/ChannelFactory.java
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* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/ChannelOutboundInvoker.java

*

/opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/socket/DuplexChannel.java

* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/WriteBufferWaterMark.java

* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/SelectStrategy.java

* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/bootstrap/ServerBootstrapConfig.java

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/opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/PreferHeapByteBufAllocator.java

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* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/socket/oio/DefaultOioServerSocketChannelConfig.java

* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/socket/oio/OioServerSocketChannelConfig.java

* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/ChannelProgressiveFuture.java

* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/DefaultAddressedEnvelope.java

* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-jar/io/netty/channel/SimpleChannelInboundHandler.java

*

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* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-

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jar/io/netty/channel/group/ChannelGroupException.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/ChannelHandlerAdapter.java
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jar/io/netty/channel/ConnectTimeoutException.java
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* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/ChannelId.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/MessageSizeEstimator.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/DefaultChannelId.java
*
/opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
jar/io/netty/channel/socket/oio/OioSocketChannelConfig.java
* /opt/cola/permits/1698848033_1685285735.7649164/0/netty-transport-4-1-93-final-sources-
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In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

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"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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@end enumerate

@iftex

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@ifinfo

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@page

@heading Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

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

@smallexample

@var{one line to give the program's name

and a brief idea of what it does.}

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@end smallexample

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

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

@smallexample

Gnomovision version

69, Copyright (C) @var{year} @var{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.

@end smallexample

The hypothetical commands @samp{show w} and @samp{show c} should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than @samp{show w} and @samp{show c}; they could even be mouse-clicks or menu items---whatever suits your program.

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

@example

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

Ty Coon, President of Vice

@end example

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- the libintl.jar Java library,
- the GNU.Gettext.dll C# library,
- the gettext.sh shells script function library.

The following parts are under the GPL, see file COPYING in the toplevel directory:

- the _programs_ gettext, ngettext, envsubst,
- the documentation.

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Version 2.1, February 1999

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Version 3, 29 June 2007

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1. Source Code.

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

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The

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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Any

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Version 3.1, 31 March 2009

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The hypothetical commands

```
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```
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<signature of Ty Coon>, 1 April 1989  
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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Any

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Version 3.1, 31 March 2009

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Version 3, 29 June 2007

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Version 3, 29 June 2007

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1.316 go-uber-org-zap 1.17.0

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1.317 asm-tree 9.5

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```
* /opt/cola/permits/1702410629_1685620743.510841/0/asm-tree-9-5-sources-1-  
jar/org/objectweb/asm/tree/ParameterNode.java  
* /opt/cola/permits/1702410629_1685620743.510841/0/asm-tree-9-5-sources-1-  
jar/org/objectweb/asm/tree/TableSwitchInsnNode.java  
*  
/opt/cola/permits/1702410629_1685620743.510841/0/asm-tree-9-5-sources-1-  
jar/org/objectweb/asm/tree/ModuleNode.java  
* /opt/cola/permits/1702410629_1685620743.510841/0/asm-tree-9-5-sources-1-  
jar/org/objectweb/asm/tree/ModuleProvideNode.java  
* /opt/cola/permits/1702410629_1685620743.510841/0/asm-tree-9-5-sources-1-  
jar/org/objectweb/asm/tree/JumpInsnNode.java  
* /opt/cola/permits/1702410629_1685620743.510841/0/asm-tree-9-5-sources-1-  
jar/org/objectweb/asm/tree/LocalVariableAnnotationNode.java  
* /opt/cola/permits/1702410629_1685620743.510841/0/asm-tree-9-5-sources-1-  
jar/org/objectweb/asm/tree/LocalVariableNode.java  
* /opt/cola/permits/1702410629_1685620743.510841/0/asm-tree-9-5-sources-1-  
jar/org/objectweb/asm/tree/MethodNode.java  
* /opt/cola/permits/1702410629_1685620743.510841/0/asm-tree-9-5-sources-1-  
jar/org/objectweb/asm/tree/FieldInsnNode.java  
* /opt/cola/permits/1702410629_1685620743.510841/0/asm-tree-9-5-sources-1-  
jar/org/objectweb/asm/tree/MultiANewArrayInsnNode.java  
* /opt/cola/permits/1702410629_1685620743.510841/0/asm-tree-9-5-sources-1-  
jar/org/objectweb/asm/tree/ClassNode.java  
*  
/opt/cola/permits/1702410629_1685620743.510841/0/asm-tree-9-5-sources-1-  
jar/org/objectweb/asm/tree/AnnotationNode.java
```

* /opt/cola/permits/1702410629_1685620743.510841/0/asm-tree-9-5-sources-1-jar/org/objectweb/asm/tree/IncInsnNode.java
* /opt/cola/permits/1702410629_1685620743.510841/0/asm-tree-9-5-sources-1-jar/org/objectweb/asm/tree/ModuleRequireNode.java
* /opt/cola/permits/1702410629_1685620743.510841/0/asm-tree-9-5-sources-1-jar/org/objectweb/asm/tree/FrameNode.java
* /opt/cola/permits/1702410629_1685620743.510841/0/asm-tree-9-5-sources-1-jar/org/objectweb/asm/tree/InsnList.java
* /opt/cola/permits/1702410629_1685620743.510841/0/asm-tree-9-5-sources-1-jar/org/objectweb/asm/tree/TypeInsnNode.java
* /opt/cola/permits/1702410629_1685620743.510841/0/asm-tree-9-5-sources-1-jar/org/objectweb/asm/tree/TryCatchBlockNode.java
* /opt/cola/permits/1702410629_1685620743.510841/0/asm-tree-9-5-sources-1-jar/org/objectweb/asm/tree/InsnNode.java
*
/opt/cola/permits/1702410629_1685620743.510841/0/asm-tree-9-5-sources-1-jar/org/objectweb/asm/tree/ModuleOpenNode.java
* /opt/cola/permits/1702410629_1685620743.510841/0/asm-tree-9-5-sources-1-jar/org/objectweb/asm/tree/InvokeDynamicInsnNode.java
* /opt/cola/permits/1702410629_1685620743.510841/0/asm-tree-9-5-sources-1-jar/org/objectweb/asm/tree/FieldNode.java
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* /opt/cola/permits/1702410629_1685620743.510841/0/asm-tree-9-5-sources-1-jar/org/objectweb/asm/tree/TypeAnnotationNode.java
* /opt/cola/permits/1702410629_1685620743.510841/0/asm-tree-9-5-sources-1-jar/org/objectweb/asm/tree/VarInsnNode.java
* /opt/cola/permits/1702410629_1685620743.510841/0/asm-tree-9-5-sources-1-jar/org/objectweb/asm/tree/Util.java
* /opt/cola/permits/1702410629_1685620743.510841/0/asm-tree-9-5-sources-1-jar/org/objectweb/asm/tree/LdcInsnNode.java
*
/opt/cola/permits/1702410629_1685620743.510841/0/asm-tree-9-5-sources-1-jar/org/objectweb/asm/tree/LineNumberNode.java
* /opt/cola/permits/1702410629_1685620743.510841/0/asm-tree-9-5-sources-1-jar/org/objectweb/asm/tree/IntInsnNode.java
* /opt/cola/permits/1702410629_1685620743.510841/0/asm-tree-9-5-sources-1-jar/org/objectweb/asm/tree/LookupSwitchInsnNode.java
* /opt/cola/permits/1702410629_1685620743.510841/0/asm-tree-9-5-sources-1-jar/org/objectweb/asm/tree/RecordComponentNode.java
* /opt/cola/permits/1702410629_1685620743.510841/0/asm-tree-9-5-sources-1-jar/org/objectweb/asm/tree/ModuleExportNode.java
* /opt/cola/permits/1702410629_1685620743.510841/0/asm-tree-9-5-sources-1-jar/org/objectweb/asm/tree/AbstractInsnNode.java
* /opt/cola/permits/1702410629_1685620743.510841/0/asm-tree-9-5-sources-1-jar/org/objectweb/asm/tree/InnerClassNode.java
* /opt/cola/permits/1702410629_1685620743.510841/0/asm-tree-9-5-sources-1-jar/org/objectweb/asm/tree/LabelNode.java

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jar/org/objectweb/asm/tree/package.html
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1.318 iputils-ping 20221126-r2

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jar/com/google/j2objc/annotations/OnDealloc.java
* /opt/cola/permits/1704412778_1685746927.655543/0/j2objc-annotations-2-8-sources-
jar/com/google/j2objc/annotations/J2ObjCIncompatible.java
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jar/com/google/j2objc/annotations/LoopTranslation.java
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jar/com/google/j2objc/annotations/RetainedLocalRef.java
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jar/com/google/j2objc/annotations/Property.java
* /opt/cola/permits/1704412778_1685746927.655543/0/j2objc-annotations-2-8-sources-
jar/com/google/j2objc/annotations/WeakOuter.java
* /opt/cola/permits/1704412778_1685746927.655543/0/j2objc-annotations-2-8-sources-
jar/com/google/j2objc/annotations/RetainedWith.java
* /opt/cola/permits/1704412778_1685746927.655543/0/j2objc-annotations-2-8-sources-
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1.320 markupsafe 2.1.3

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1.324 htop 3.2.2-r1

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1.327 py3-parsing 3.0.9-r2

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1.329 py3-setuptools 67.7.2-r0

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1.330 slf4j-impl 2.17.1

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1.332 netty-transport-native-epoll 4.1.92.Final

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```
* /opt/cola/permits/1716073999_1686339521.5715072/0/netty-transport-native-epoll-4-1-92-final-sources-
jar/netty_epoll_linuxsocket.h
* /opt/cola/permits/1716073999_1686339521.5715072/0/netty-transport-native-epoll-4-1-92-final-sources-
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* /opt/cola/permits/1716073999_1686339521.5715072/0/netty-transport-native-epoll-4-1-92-final-sources-
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* /opt/cola/permits/1716073999_1686339521.5715072/0/netty-transport-native-epoll-4-1-92-final-sources-
jar/netty_epoll_native.c
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1.333 netty-transport-native-kqueue

4.1.92.Final

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```
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jar/netty_kqueue_bsdsocket.h
* /opt/cola/permits/1717961362_1686541215.5407395/0/netty-transport-native-kqueue-4-1-92-final-sources-1-
jar/netty_kqueue_eventarray.c
```

```
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jar/netty_kqueue_bsdsocket.c
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/opt/cola/permits/1717961362_1686541215.5407395/0/netty-transport-native-kqueue-4-1-92-final-sources-1-
jar/netty_kqueue_native.c
* /opt/cola/permits/1717961362_1686541215.5407395/0/netty-transport-native-kqueue-4-1-92-final-sources-1-
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jar/META-INF/maven/io.netty/netty-transport-native-kqueue/pom.xml
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1.334 Lombok 1.18.28

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1.335 shadow 4.13-r4

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core/src/java/org/apache/lucene/util/compress/LZ4.java is a Java implementation of the LZ4 (<https://github.com/lz4/lz4/tree/dev/lib>) compression format for Lucene's DataInput/DataOutput abstractions.

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1.338 curator-framework 5.5.0

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jar/io/netty/internal/tcnative/SSL.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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* /opt/cola/permits/1735716099_1688166883.981445/0/netty-tcnative-classes-2-0-61-final-sources-jar/io/netty/internal/tcnative/AsyncSSLPrivateKeyMethodAdapter.java

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* /opt/cola/permits/1735716099_1688166883.981445/0/netty-tcnative-classes-2-0-61-final-sources-jar/io/netty/internal/tcnative/SSLSessionCache.java

* /opt/cola/permits/1735716099_1688166883.981445/0/netty-tcnative-classes-2-0-61-final-sources-jar/io/netty/internal/tcnative/SSLSession.java

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```
* /opt/cola/permits/1735716099_1688166883.981445/0/netty-tcnative-classes-2-0-61-final-sources-
jar/io/netty/internal/tcnative/CertificateVerifierTask.java
*
/opt/cola/permits/1735716099_1688166883.981445/0/netty-tcnative-classes-2-0-61-final-sources-
jar/io/netty/internal/tcnative/SSLPrivateKeyMethod.java
* /opt/cola/permits/1735716099_1688166883.981445/0/netty-tcnative-classes-2-0-61-final-sources-
jar/io/netty/internal/tcnative/SSLPrivateKeyMethodDecryptTask.java
* /opt/cola/permits/1735716099_1688166883.981445/0/netty-tcnative-classes-2-0-61-final-sources-
jar/io/netty/internal/tcnative/SSLTask.java
* /opt/cola/permits/1735716099_1688166883.981445/0/netty-tcnative-classes-2-0-61-final-sources-
jar/io/netty/internal/tcnative/CertificateCallbackTask.java
* /opt/cola/permits/1735716099_1688166883.981445/0/netty-tcnative-classes-2-0-61-final-sources-
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```
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jar/io/netty/internal/tcnative/CertificateCallback.java
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* /opt/cola/permits/1735716099_1688166883.981445/0/netty-tcnative-classes-2-0-61-final-sources-jar/io/netty/internal/tcnative/NativeStaticallyReferencedJniMethods.java
* /opt/cola/permits/1735716099_1688166883.981445/0/netty-tcnative-classes-2-0-61-final-sources-jar/io/netty/internal/tcnative/SniHostNameMatcher.java

1.343 Icms 2.15

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1.344 zstd-jni 1.5.5-2

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Ajay Joshi <jaj@google.com>

Balzs Dn <balazs.dan@gmail.com>

Benoit Sigoure <tsuna@google.com>

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Eric Roman <eroman@chromium.org>
Gene Volovich <gv@cite.com>
Hady Zalek <hady.zalek@gmail.com>
Hal Burch <gmock@hburch.com>
Jeffrey Yasskin <jyasskin@google.com>
Jim Keller <jimkeller@google.com>
Joe Walnes <joe@truemesh.com>
Jon Wray <jwray@google.com>
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Kostya Serebryany <kcc@google.com>
Krystian Kuzniarek <krystian.kuzniarek@gmail.com>
Lev Makhlis
Manuel Klimek <klimek@google.com>
Mario Tanev <radix@google.com>
Mark Paskin
Markus Heule <markus.heule@gmail.com>
Matthew Simmons <simmonmt@acm.org>
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Paul Menage <menage@google.com>
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Preston Jackson <preston.a.jackson@gmail.com>
Rainer Klaffenboeck <rainer.klaffenboeck@dynatrace.com>
Russ Cox <rsc@google.com>
Russ Rufer <russ@pentad.com>
Sean McAfee <eefacm@gmail.com>

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Sverre Sundsdal <sundsda@gmail.com>
Takeshi Yoshino <tyoshino@google.com>
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Source

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1.350 eclipse-collections 11.1.0

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```
copyrightOf(copyrightHolders) ::= <<
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```

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```
import "copyrightOf.stg"
```

```
copyrightAndOthers() ::= <<  
<copyrightOf("Goldman Sachs and others")>  
>>  
import "copyrightOf.stg"
```

```
copyright() ::= <<  
<copyrightOf("Goldman Sachs")>  
>>
```

1.351 neo4j-cypher-logical-plans 5.9.0

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Version 3, 29 June 2007

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1.352 neo4j-cypher-physical-planning 5.9.0

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1.353 neo4j-csv 5.9.0

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1.354 neo4j-cypher-dsl 2023.3.0

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* /opt/cola/permits/1758383483_1691059098.5374458/0/neo4j-cypher-dsl-2023-3-0-sources-
jar/org/neo4j/cypherdsl/core/executables/ReactiveExecutableResultStatement.java
* /opt/cola/permits/1758383483_1691059098.5374458/0/neo4j-cypher-dsl-2023-3-0-sources-
jar/org/neo4j/cypherdsl/core/IdentifiableElement.java
* /opt/cola/permits/1758383483_1691059098.5374458/0/neo4j-cypher-dsl-2023-3-0-sources-
jar/org/neo4j/cypherdsl/core/Expressions.java
* /opt/cola/permits/1758383483_1691059098.5374458/0/neo4j-cypher-dsl-2023-3-0-sources-
jar/org/neo4j/cypherdsl/core/internal/ConstantParameterHolder.java
* /opt/cola/permits/1758383483_1691059098.5374458/0/neo4j-cypher-dsl-2023-3-0-sources-
jar/org/neo4j/cypherdsl/core/ExposesCall.java
* /opt/cola/permits/1758383483_1691059098.5374458/0/neo4j-cypher-dsl-2023-3-0-sources-
jar/org/neo4j/cypherdsl/core/Delete.java
* /opt/cola/permits/1758383483_1691059098.5374458/0/neo4j-cypher-dsl-2023-3-0-sources-
jar/org/neo4j/cypherdsl/core/renderers/Dialect.java
*
/opt/cola/permits/1758383483_1691059098.5374458/0/neo4j-cypher-dsl-2023-3-0-sources-
jar/org/neo4j/cypherdsl/core/ast/EnterResult.java
* /opt/cola/permits/1758383483_1691059098.5374458/0/neo4j-cypher-dsl-2023-3-0-sources-
jar/org/neo4j/cypherdsl/core/internal/CaseWhenThen.java
* /opt/cola/permits/1758383483_1691059098.5374458/0/neo4j-cypher-dsl-2023-3-0-sources-
jar/org/neo4j/cypherdsl/core/Case.java
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Found in path(s):

```
* /opt/cola/permits/1758383483_1691059098.5374458/0/neo4j-cypher-dsl-2023-3-0-sources-jar/META-
```

INF/maven/org.neo4j/neo4j-cypher-dsl/pom.xml

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* /opt/cola/permits/1758383483_1691059098.5374458/0/neo4j-cypher-dsl-2023-3-0-sources-jar/org/neo4j/cypherdsl/core/messages.properties

* /opt/cola/permits/1758383483_1691059098.5374458/0/neo4j-cypher-dsl-2023-3-0-sources-jar/META-INF/native-image/org.neo4j/neo4j-cypher-dsl/native-image.properties

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* /opt/cola/permits/1758383483_1691059098.5374458/0/neo4j-cypher-dsl-2023-3-0-sources-jar/org/neo4j/cypherdsl/core/package-info.java

* /opt/cola/permits/1758383483_1691059098.5374458/0/neo4j-cypher-dsl-2023-3-0-sources-jar/org/neo4j/cypherdsl/core/querydsl/package-info.java

*

/opt/cola/permits/1758383483_1691059098.5374458/0/neo4j-cypher-dsl-2023-3-0-sources-jar/org/neo4j/cypherdsl/core/renderer/package-info.java

* /opt/cola/permits/1758383483_1691059098.5374458/0/neo4j-cypher-dsl-2023-3-0-sources-jar/org/neo4j/cypherdsl/core/utils/package-info.java

* /opt/cola/permits/1758383483_1691059098.5374458/0/neo4j-cypher-dsl-2023-3-0-sources-jar/org/neo4j/cypherdsl/core/ast/package-info.java

* /opt/cola/permits/1758383483_1691059098.5374458/0/neo4j-cypher-dsl-2023-3-0-sources-jar/org/neo4j/cypherdsl/core/internal/package-info.java

* /opt/cola/permits/1758383483_1691059098.5374458/0/neo4j-cypher-dsl-2023-3-0-sources-jar/org/neo4j/cypherdsl/core/executables/package-info.java

1.355 neo4j-cypher-ast-factory 5.9.0

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1.364 akka-coordination_2.13 2.6.19

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Manifest-Version: 1.0

Automatic-Module-Name: akka.coordination

Bundle-Description: Akka is a toolkit for building highly concurrent,

distributed, and resilient message-driven applications for Java and Scala.

Bundle-DocURL: <https://doc.akka.io/api/akka/2.6.19>

Bundle-License: <https://www.apache.org/licenses/LICENSE-2.0.html>;description=Apache-2.0

Bundle-ManifestVersion: 2

Bundle-Name: akka-coordination

Bundle-SymbolicName: com.typesafe.akka.coordination

Bundle-Vendor: Lightbend Inc.

Bundle-Version: 2.6.19

Export-Package: akka.coordination.lease;uses:="com.typesafe.config,scala.concurrent.duration,scala.reflect";version="2.6.19",akka.coordination.lease.internal;uses:="akka.coordination.lease,akka.coordination.lease.javadsl,akka.coordination.lease.scaladsl,scala,scala.concurrent,scala.reflect,scala.runtime";version="2.6.19",akka.coordination.lease.javadsl;uses:="akka.actor,akka.coordination.lease,scala,scala.collection,scala.reflect,scala.runtime";version="2.6.19",akka.coordination.lease.scaladsl;uses:="akka.actor,akka.coordination.lease,akka.coordination.lease.internal,akka.coordination.lease.javadsl,akka.event,scala,scala.collection,scala.concurrent,scala.reflect,scala.runtime,scala.util";version="2.6.19"

Implementation-Title: akka-coordination

Implementation-URL: <https://akka.io/>

Implementation-Vendor-Id: com.typesafe.akka

Implementation-Vendor: Lightbend Inc.

Implementation-Version: 2.6.19

Import-Package: akka.actor;version="[2.6,2.7)",akka.coordination.lease;version="[2.6,2.7)",akka.coordination.lease.internal;version="[2.6,2.7)",akka.coordination.lease.javadsl;version="[2.6,2.7)",akka.coordination.lease.scaladsl;version="[2.6,2.7)",akka.dispatch;version="[2.6,2.7)",akka.event;version="[2.6,2.7)",akka.util;version="[2.6,2.7)",com.typesafe.config;version="[1.4.0,1.5.0)",scala;version="[2.13,2.14)",scala.collection;version="[2.13,2.14)",scala.collection.immutable;version="[2.13,2.14)",scala.concurrent;version="[2.13,2.14)",scala.concurrent.duration;version="[2.13,2.14)",scala.reflect;version="[2.13,2.14)",scala.runtime;version="[2.13,2.14)",scala.util;version="[2.13,2.14)"

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

Specification-Title: akka-coordination

Specification-Vendor: Lightbend Inc.

Specification-Version: 2.6.19

Tool: Bnd-4.0.0.201805111645

Found in path(s):

* /opt/cola/permits/1758383295_1691059158.926598/0/akka-coordination-2-13-2-6-19-jar/META-INF/MANIFEST.MF

1.365 neo4j-exceptions 5.9.0

1.365.1 Available under license :

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Apache Log4j API
Apache Log4j Core
Apache Log4j Layout for JSON template
Apache Lucene (module: backward-codecs)
Apache Lucene (module: common)
Apache Lucene (module: core)
Apache Lucene (module: queryparser)
Caffeine cache
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1.377 jmespath-java 1.12.463

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Found in path(s):

* /opt/cola/permits/1758382912_1691059210.039054/0/jmespath-java-1-12-463-jar/META-
INF/maven/com.amazonaws/jmespath-java/pom.xml

1.378 akka-distributed-data_2.13 2.6.19

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Manifest-Version: 1.0

Automatic-Module-Name: akka.cluster.ddata

Bundle-Description: Akka is a toolkit for building highly concurrent,
distributed, and resilient message-driven applications for Java and S
cala.

Bundle-DocURL: <https://doc.akka.io/api/akka/2.6.19>

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

iption=Apache-2.0
Bundle-ManifestVersion: 2
Bundle-Name: akka-distributed-data
Bundle-SymbolicName: com.typesafe.akka.distributed.data
Bundle-Vendor: Lightbend Inc.
Bundle-Version: 2.6.19
Export-Package: akka.cluster.ddata;uses:="akka.actor,akka.cluster,akka.event,akka.serialization,akka.util,com.typesafe.config,org.lmdbjava,scala,scala.collection,scala.collection.immutable,scala.collection.mutable,scala.concurrent.duration,scala.math,scala.reflect,scala.runtime,scala.util,scala.util.control";version="2.6.19",akka.cluster.ddata.protobuf;uses:="akka.actor,akka.cluster,akka.cluster.ddata,akka.cluster.ddata.protobuf.msg,akka.protobufv3.internal,akka.serialization,scala,scala.collection,scala.collection.immutable,scala.concurrent.duration,scala.reflect,scala.runtime";version="2.6.19",akka.cluster.ddata.protobuf.msg;uses:="akka.protobufv3.internal";version="2.6.19"
Implementation-Title: akka-distributed-data
Implementation-URL: https://akka.io/
Implementation-Vendor-Id: com.typesafe.akka
Implementation-Vendor: Lightbend Inc.
Implementation-Version: 2.6.19
Import-Package: akka.actor;version="[2.6,2.7)",akka.cluster;version="[2.6,2.7)",akka.cluster.ddata;version="[2.6,2.7)",akka.cluster.ddata.protobuf.msg;version="[2.6,2.7)",akka.dispatch;version="[2.6,2.7)",akka.event;version="[2.6,2.7)",akka.io;version="[2.6,2.7)",akka.protobufv3.internal;version="[2.6,2.7)",akka.remote;version="[2.6,2.7)",akka.remote.artery;version="[2.6,2.7)",akka.serialization;version="[2.6,2.7)",akka.util;version="[2.6,2.7)",akka.util.ccompat;version="[2.6,2.7)",com.typesafe.config;version="[1.4.0,1.5.0)",scala;version="[2.13,2.14)",scala.collection;version="[2.13,2.14)",scala.collection.convert;version="[2.13,2.14)",scala.collection.immutable;version="[2.13,2.14)",scala.collection.mutable;version="[2.13,2.14)",scala.concurrent;version="[2.13,2.14)",scala.concurrent.duration;version="[2.13,2.14)",scala.math;version="[2.13,2.14)",scala.reflect;version="[2.13,2.14)",scala.runtime;version="[2.13,2.14)",scala.runtime.java8;version="[2.13,2.14)",scala.util;version="[2.13,2.14)",scala.util.control;version="[2.13,2.14)",org.lmdbjava
Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version>=1.8))"
"
Specification-Title: akka-distributed-data
Specification-Vendor: Lightbend Inc.
Specification-Version: 2.6.19
Tool: Bnd-4.0.0.201805111645

Found in path(s):

* /opt/cola/permits/1758382988_1691059249.7181334/0/akka-distributed-data-2-13-2-6-19-jar/META-INF/MANIFEST.MF

1.379 cypher-ast-factory 5.9.0

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1.380 neo4j-cypher-planner 5.9.0

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""

- tests/fixtures/*
tests/parallel/*
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websocket-driver@0.7.4
URL: <git://github.com/faye/websocket-driver-node.git>
VendorName: James Coglan
VendorUrl: <https://github.com/faye/websocket-driver-node>
websocket-extensions@0.1.4
URL: <git://github.com/faye/websocket-extensions-node.git>
VendorName: James Coglan
VendorUrl: <http://github.com/faye/websocket-extensions-node>
BSD-2-Clause
terser@5.3.2
URL: <https://github.com/terser/terser>

VendorName: Mihai Bazon
VendorUrl: <https://terser.org/>
webidl-conversions@3.0.1
URL: <https://github.com/jsdom/webidl-conversions.git>
VendorName: Domenic Denicola
VendorUrl: <https://domenic.me/>
webidl-conversions@7.0.0
URL: <https://github.com/jsdom/webidl-conversions.git>
VendorName: Domenic Denicola
VendorUrl: <https://domenic.me/>

BSD-3-Clause

@protobufjs/aspromise@1.1.2
URL: <https://github.com/dcodeIO/protobuf.js.git>
VendorName: Daniel Wirtz

@protobufjs/base64@1.1.2
URL: <https://github.com/dcodeIO/protobuf.js.git>
VendorName: Daniel Wirtz

@protobufjs/codegen@2.0.4
URL: <https://github.com/dcodeIO/protobuf.js.git>
VendorName: Daniel Wirtz

@protobufjs/eventemitter@1.1.0
URL: <https://github.com/dcodeIO/protobuf.js.git>
VendorName: Daniel Wirtz

@protobufjs/fetch@1.1.0
URL: <https://github.com/dcodeIO/protobuf.js.git>
VendorName: Daniel Wirtz

@protobufjs/float@1.0.2
URL: <https://github.com/dcodeIO/protobuf.js.git>
VendorName: Daniel Wirtz

@protobufjs/inquire@1.1.0
URL: <https://github.com/dcodeIO/protobuf.js.git>
VendorName: Daniel Wirtz

@protobufjs/path@1.1.2
URL:
<https://github.com/dcodeIO/protobuf.js.git>
VendorName: Daniel Wirtz

@protobufjs/pool@1.1.0
URL: <https://github.com/dcodeIO/protobuf.js.git>
VendorName: Daniel Wirtz

@protobufjs/utf8@1.1.0
URL: <https://github.com/dcodeIO/protobuf.js.git>
VendorName: Daniel Wirtz

@sentry/browser@5.29.0
URL: <git://github.com/getsentry/sentry-javascript.git>
VendorName: Sentry
VendorUrl: <https://github.com/getsentry/sentry-javascript/tree/master/packages/browser>

@sentry/core@5.29.0
URL: <git://github.com/getsentry/sentry-javascript.git>

VendorName: Sentry
VendorUrl: <https://github.com/getsentry/sentry-javascript/tree/master/packages/core>
@sentry/hub@5.27.0
URL: <git://github.com/getsentry/sentry-javascript.git>
VendorName: Sentry
VendorUrl: <https://github.com/getsentry/sentry-javascript/tree/master/packages/hub>
@sentry/hub@5.29.0
URL: <git://github.com/getsentry/sentry-javascript.git>
VendorName: Sentry
VendorUrl:
<https://github.com/getsentry/sentry-javascript/tree/master/packages/hub>
@sentry/integrations@5.29.0
URL: <git://github.com/getsentry/sentry-javascript.git>
VendorName: Sentry
VendorUrl: <https://github.com/getsentry/sentry-javascript/tree/master/packages/integrations>
@sentry/minimal@5.27.0
URL: <git://github.com/getsentry/sentry-javascript.git>
VendorName: Sentry
VendorUrl: <https://github.com/getsentry/sentry-javascript/tree/master/packages/minimal>
@sentry/minimal@5.29.0
URL: <git://github.com/getsentry/sentry-javascript.git>
VendorName: Sentry
VendorUrl: <https://github.com/getsentry/sentry-javascript/tree/master/packages/minimal>
@sentry/react@5.29.0
URL: <git://github.com/getsentry/sentry-javascript.git>
VendorName: Sentry
VendorUrl: <https://github.com/getsentry/sentry-javascript/tree/master/packages/react>
@sentry/types@5.27.0
URL: <git://github.com/getsentry/sentry-javascript.git>
VendorName: Sentry
VendorUrl:
<https://github.com/getsentry/sentry-javascript/tree/master/packages/types>
@sentry/types@5.29.0
URL: <git://github.com/getsentry/sentry-javascript.git>
VendorName: Sentry
VendorUrl: <https://github.com/getsentry/sentry-javascript/tree/master/packages/types>
@sentry/utils@5.27.0
URL: <git://github.com/getsentry/sentry-javascript.git>
VendorName: Sentry
VendorUrl: <https://github.com/getsentry/sentry-javascript/tree/master/packages/utils>
@sentry/utils@5.29.0
URL: <git://github.com/getsentry/sentry-javascript.git>
VendorName: Sentry
VendorUrl: <https://github.com/getsentry/sentry-javascript/tree/master/packages/utils>
antlr4@4.10.1
URL: <https://github.com/antlr/antlr4.git>
VendorUrl: <https://github.com/antlr/antlr4>
buffer-equal-constant-time@1.0.1

URL: [git@github.com:goinstant/buffer-equal-constant-time.git](https://github.com:goinstant/buffer-equal-constant-time.git)
VendorName: GoInstant Inc., a salesforce.com company
d3-ease@3.0.1
URL: <https://github.com/d3/d3-ease.git>
VendorName: Mike Bostock
VendorUrl: <https://d3js.org/d3-ease/>
diff@5.0.0
URL: [git://github.com/kpdecker/jsdiff.git](https://github.com/kpdecker/jsdiff.git)
exenv@1.2.2
URL: <https://github.com/JedWatson/exenv.git>
VendorName: Jed Watson
VendorUrl: <https://github.com/JedWatson/exenv>
highlight.js@10.7.3
URL: [git://github.com/highlightjs/highlight.js.git](https://github.com/highlightjs/highlight.js.git)
VendorName: Ivan Sagalaev
VendorUrl: <https://highlightjs.org/>
hoist-non-react-statics@2.5.5
URL: [git://github.com/mridgway/hoist-non-react-statics.git](https://github.com/mridgway/hoist-non-react-statics.git)
VendorName: Michael Ridgway
hoist-non-react-statics@3.3.2
URL: [git://github.com/mridgway/hoist-non-react-statics.git](https://github.com/mridgway/hoist-non-react-statics.git)
VendorName: Michael Ridgway
hyphenate-style-name@1.0.4
URL: [git+ssh://git@github.com:rexxars/hyphenate-style-name.git](https://github.com:rexxars/hyphenate-style-name.git)
VendorName: Espen Hovlandsdal
VendorUrl: <https://github.com/rexxars/hyphenate-style-name#readme>
ieee754@1.2.1
URL: [git://github.com/feross/ieee754.git](https://github.com/feross/ieee754.git)
VendorName: Feross Aboukhadijeh
VendorUrl:
<https://feross.org>
moo@0.4.3
URL: <https://github.com/tjvr/moo.git>
VendorName: Tim Radvan
protobufjs@6.10.1
URL: <https://github.com/protobufjs/protobuf.js.git>
VendorName: Daniel Wirtz
VendorUrl: <http://dcode.io/protobuf.js>
react-transition-group@4.4.5
URL: <https://github.com/reactjs/react-transition-group.git>
VendorUrl: <https://github.com/reactjs/react-transition-group#readme>
source-map@0.5.6
URL: [http://github.com/mozilla/source-map.git](https://github.com/mozilla/source-map.git)
VendorName: Nick Fitzgerald
VendorUrl: <https://github.com/mozilla/source-map>
source-map@0.5.7
URL: [http://github.com/mozilla/source-map.git](https://github.com/mozilla/source-map.git)
VendorName: Nick Fitzgerald

VendorUrl: <https://github.com/mozilla/source-map>
source-map@0.6.1
URL: <http://github.com/mozilla/source-map.git>
VendorName: Nick Fitzgerald
VendorUrl: <https://github.com/mozilla/source-map>

CC0-1.0

mdn-data@2.0.14
URL: <https://github.com/mdn/data.git>
VendorName: Mozilla

Developer Network

VendorUrl: <https://developer.mozilla.org/>
railroad-diagrams@1.0.0
URL: <https://github.com/tabatkins/railroad-diagrams.git>
VendorName: Tab Atkins Jr.
VendorUrl: <https://github.com/tabatkins/railroad-diagrams>

GPL-3.0

@neo4j-ndl/base@0.8.7
URL: [http:](http://)
VendorName: Neo4j Inc.
VendorUrl: [http:](http://)
@neo4j-ndl/react@0.9.2
URL: [http:](http://)
VendorName: Neo4j Inc.
VendorUrl: [http:](http://)

ISC

cliui@6.0.0
URL: <http://github.com/yargs/cliui.git>
VendorName: Ben Coe
css-color-keywords@1.0.0
URL: <https://github.com/sonicdoe/css-color-keywords.git>
VendorName: Jakob Krigovsky
d3-array@3.1.1
URL: <https://github.com/d3/d3-array.git>
VendorName: Mike Bostock
VendorUrl: <https://d3js.org/d3-array/>
d3-color@3.0.1
URL: <https://github.com/d3/d3-color.git>
VendorName: Mike Bostock
VendorUrl: <https://d3js.org/d3-color/>
d3-dispatch@3.0.1
URL: <https://github.com/d3/d3-dispatch.git>
VendorName: Mike Bostock
VendorUrl: <https://d3js.org/d3-dispatch/>
d3-drag@3.0.0
URL: <https://github.com/d3/d3-drag.git>
VendorName: Mike Bostock
VendorUrl: <https://d3js.org/d3-drag/>
d3-force@3.0.0

URL: <https://github.com/d3/d3-force.git>
VendorName: Mike Bostock
VendorUrl: <https://d3js.org/d3-force/>
d3-format@3.1.0
URL: <https://github.com/d3/d3-format.git>
VendorName: Mike Bostock
VendorUrl: <https://d3js.org/d3-format/>
d3-interpolate@3.0.1
URL: <https://github.com/d3/d3-interpolate.git>
VendorName: Mike Bostock
VendorUrl: <https://d3js.org/d3-interpolate/>
d3-path@3.0.1
URL: <https://github.com/d3/d3-path.git>
VendorName: Mike Bostock
VendorUrl: <https://d3js.org/d3-path/>
d3-quadtree@3.0.1
URL: <https://github.com/d3/d3-quadtree.git>
VendorName: Mike Bostock
VendorUrl: <https://d3js.org/d3-quadtree/>
d3-scale@4.0.2
URL: <https://github.com/d3/d3-scale.git>
VendorName: Mike
Bostock
VendorUrl: <https://d3js.org/d3-scale/>
d3-selection@3.0.0
URL: <https://github.com/d3/d3-selection.git>
VendorName: Mike Bostock
VendorUrl: <https://d3js.org/d3-selection/>
d3-shape@3.0.1
URL: <https://github.com/d3/d3-shape.git>
VendorName: Mike Bostock
VendorUrl: <https://d3js.org/d3-shape/>
d3-time-format@4.1.0
URL: <https://github.com/d3/d3-time-format.git>
VendorName: Mike Bostock
VendorUrl: <https://d3js.org/d3-time-format/>
d3-time@3.0.0
URL: <https://github.com/d3/d3-time.git>
VendorName: Mike Bostock
VendorUrl: <https://d3js.org/d3-time/>
d3-timer@3.0.1
URL: <https://github.com/d3/d3-timer.git>
VendorName: Mike Bostock
VendorUrl: <https://d3js.org/d3-timer/>
d3-transition@3.0.1
URL: <https://github.com/d3/d3-transition.git>
VendorName: Mike Bostock
VendorUrl: <https://d3js.org/d3-transition/>

d3-zoom@3.0.0
URL: <https://github.com/d3/d3-zoom.git>
VendorName: Mike Bostock
VendorUrl: <https://d3js.org/d3-zoom/>

get-caller-file@2.0.5
URL: [git+https://github.com/stefanpenner/get-caller-file.git](https://github.com/stefanpenner/get-caller-file.git)
VendorName: Stefan Penner
VendorUrl: <https://github.com/stefanpenner/get-caller-file#readme>

idb@3.0.2
URL: [git://github.com/jakearchibald/indexeddb-promised.git](https://github.com/jakearchibald/indexeddb-promised.git)
VendorName: Jake Archibald

inherits@2.0.4
URL: [git://github.com/isaacs/inherits](https://github.com/isaacs/inherits)

internmap@2.0.3
URL: <https://github.com/mbostock/internmap.git>
VendorName: Mike Bostock
VendorUrl: <https://github.com/mbostock/internmap/>

lru-cache@6.0.0
URL: [git://github.com/isaacs/node-lru-cache.git](https://github.com/isaacs/node-lru-cache.git)
VendorName: Isaac Z. Schlueter

require-main-filename@2.0.0
URL: [git+ssh://git@github.com/yargs/require-main-filename.git](https://github.com/yargs/require-main-filename.git)
VendorName: Ben Coe
VendorUrl: <https://github.com/yargs/require-main-filename#readme>

semver@5.7.1
URL: <https://github.com/npm/node-semver>

semver@6.3.0
URL: <https://github.com/npm/node-semver>

set-blocking@2.0.0
URL: [git+https://github.com/yargs/set-blocking.git](https://github.com/yargs/set-blocking.git)
VendorName: Ben Coe
VendorUrl: <https://github.com/yargs/set-blocking#readme>

which-module@2.0.0
URL: [git+https://github.com/nexdrew/which-module.git](https://github.com/nexdrew/which-module.git)
VendorName: nexdrew
VendorUrl: <https://github.com/nexdrew/which-module#readme>

y18n@4.0.0
URL: [git@github.com:yargs/y18n.git](https://github.com/yargs/y18n.git)
VendorName: Ben Coe
VendorUrl: <https://github.com/yargs/y18n>

yallist@4.0.0
URL: [git+https://github.com/isaacs/yallist.git](https://github.com/isaacs/yallist.git)
VendorName: Isaac Z. Schlueter
VendorUrl: <http://blog.izs.me/>

yaml@1.10.2
URL: <https://github.com/eemeli/yaml.git>
VendorName: Eemeli Aro
VendorUrl: <https://eemeli.org/yaml/v1/>

yargs-parser@18.1.3

URL: <https://github.com/yargs/yargs-parser.git>

VendorName: Ben Coe

MIT

@apollo/client@3.2.0

URL: [git+https://github.com/apollographql/apollo-client.git](https://github.com/apollographql/apollo-client.git)

VendorName: opensource@apollographql.com

VendorUrl: <https://www.apollographql.com/>

@babel/code-frame@7.16.0

URL: <https://github.com/babel/babel.git>

VendorName: The Babel Team

VendorUrl: <https://babel.dev/docs/en/next/babel-code-frame>

@babel/code-frame@7.16.7

URL: <https://github.com/babel/babel.git>

VendorName: The Babel Team

VendorUrl: <https://babel.dev/docs/en/next/babel-code-frame>

@babel/generator@7.17.7

URL: <https://github.com/babel/babel.git>

VendorName: The Babel Team

VendorUrl: <https://babel.dev/docs/en/next/babel-generator>

@babel/helper-annotate-as-pure@7.16.7

URL: <https://github.com/babel/babel.git>

VendorName: The Babel Team

VendorUrl: <https://babel.dev/docs/en/next/babel-helper-annotate-as-pure>

@babel/helper-environment-visitor@7.16.7

URL: <https://github.com/babel/babel.git>

VendorName: The Babel Team

VendorUrl: <https://babel.dev/docs/en/next/babel-helper-environment-visitor>

@babel/helper-function-name@7.16.7

URL: <https://github.com/babel/babel.git>

VendorName:

The Babel Team

VendorUrl: <https://babel.dev/docs/en/next/babel-helper-function-name>

@babel/helper-get-function-arity@7.16.7

URL: <https://github.com/babel/babel.git>

VendorName: The Babel Team

VendorUrl: <https://babel.dev/docs/en/next/babel-helper-get-function-arity>

@babel/helper-hoist-variables@7.16.7

URL: <https://github.com/babel/babel.git>

VendorName: The Babel Team

VendorUrl: <https://babel.dev/docs/en/next/babel-helper-hoist-variables>

@babel/helper-module-imports@7.10.4

URL: <https://github.com/babel/babel.git>

VendorName: Logan Smyth

VendorUrl: <https://babeljs.io/>

@babel/helper-module-imports@7.16.7

URL: <https://github.com/babel/babel.git>

VendorName: The Babel Team

VendorUrl: <https://babel.dev/docs/en/next/babel-helper-module-imports>
@babel/helper-module-imports@7.18.6
URL: <https://github.com/babel/babel.git>
VendorName: The Babel Team
VendorUrl: <https://babel.dev/docs/en/next/babel-helper-module-imports>
@babel/helper-plugin-utils@7.19.0
URL: <https://github.com/babel/babel.git>
VendorName: The Babel Team
VendorUrl: <https://babel.dev/docs/en/next/babel-helper-plugin-utils>
@babel/helper-split-export-declaration@7.16.7
URL: <https://github.com/babel/babel.git>
VendorName: The Babel Team
VendorUrl: <https://babel.dev/docs/en/next/babel-helper-split-export-declaration>
@babel/helper-string-parser@7.19.4
URL: <https://github.com/babel/babel.git>
VendorName: The Babel Team
VendorUrl: <https://babel.dev/docs/en/next/babel-helper-string-parser>
@babel/helper-validator-identifier@7.15.7
URL: <https://github.com/babel/babel.git>
VendorName: The Babel Team
VendorUrl: <https://babel.dev/team>
@babel/helper-validator-identifier@7.16.7
URL: <https://github.com/babel/babel.git>
VendorName: The Babel Team
VendorUrl: <https://babel.dev/team>
@babel/helper-validator-identifier@7.19.1
URL: <https://github.com/babel/babel.git>
VendorName: The Babel Team
VendorUrl: <https://babel.dev/team>
@babel/highlight@7.16.0
URL: <https://github.com/babel/babel.git>
VendorName: The Babel Team
VendorUrl: <https://babel.dev/docs/en/next/babel-highlight>
@babel/highlight@7.16.10
URL: <https://github.com/babel/babel.git>
VendorName: The Babel Team
VendorUrl: <https://babel.dev/docs/en/next/babel-highlight>
@babel/parser@7.17.7
URL: <https://github.com/babel/babel.git>
VendorName: The Babel Team
VendorUrl: <https://babel.dev/docs/en/next/babel-parser>
@babel/plugin-syntax-jsx@7.18.6
URL: <https://github.com/babel/babel.git>
VendorName: The Babel Team
VendorUrl: <https://babel.dev/docs/en/next/babel-plugin-syntax-jsx>
@babel/runtime-corejs3@7.15.3
URL: <https://github.com/babel/babel.git>
VendorName: The Babel Team

VendorUrl: <https://babel.dev/team>
@babel/runtime@7.11.2
URL: <https://github.com/babel/babel.git>
VendorName:
Sebastian McKenzie
VendorUrl: <https://babeljs.io/>
@babel/runtime@7.16.3
URL: <https://github.com/babel/babel.git>
VendorName: The Babel Team
VendorUrl: <https://babel.dev/docs/en/next/babel-runtime>
@babel/runtime@7.19.0
URL: <https://github.com/babel/babel.git>
VendorName: The Babel Team
VendorUrl: <https://babel.dev/docs/en/next/babel-runtime>
@babel/runtime@7.20.0
URL: <https://github.com/babel/babel.git>
VendorName: The Babel Team
VendorUrl: <https://babel.dev/docs/en/next/babel-runtime>
@babel/runtime@7.20.1
URL: <https://github.com/babel/babel.git>
VendorName: The Babel Team
VendorUrl: <https://babel.dev/docs/en/next/babel-runtime>
@babel/runtime@7.21.0
URL: <https://github.com/babel/babel.git>
VendorName: The Babel Team
VendorUrl: <https://babel.dev/docs/en/next/babel-runtime>
@babel/template@7.16.7
URL: <https://github.com/babel/babel.git>
VendorName: The Babel Team
VendorUrl: <https://babel.dev/docs/en/next/babel-template>
@babel/traverse@7.17.3
URL: <https://github.com/babel/babel.git>
VendorName: The Babel Team
VendorUrl: <https://babel.dev/docs/en/next/babel-traverse>
@babel/types@7.11.5
URL: <https://github.com/babel/babel.git>
VendorName: Sebastian McKenzie
VendorUrl: <https://babeljs.io/>
@babel/types@7.17.0
URL: <https://github.com/babel/babel.git>
VendorName: The Babel Team
VendorUrl: <https://babel.dev/docs/en/next/babel-types>
@babel/types@7.20.0
URL: <https://github.com/babel/babel.git>
VendorName: The Babel Team
VendorUrl: <https://babel.dev/docs/en/next/babel-types>
@emotion/babel-plugin@11.10.5
URL: <https://github.com/emotion-js/emotion/tree/main/packages/babel-plugin>

VendorName: Kye Hohenberger
VendorUrl: <https://emotion.sh/>
@emotion/cache@11.10.5
URL: <https://github.com/emotion-js/emotion/tree/main/packages/cache>
@emotion/hash@0.9.0
URL: <https://github.com/emotion-js/emotion/tree/main/packages/hash>
@emotion/is-prop-valid@0.8.8
URL: <https://github.com/emotion-js/emotion/tree/master/packages/is-prop-valid>
@emotion/memoize@0.7.4
URL: <https://github.com/emotion-js/emotion/tree/master/packages/memoize>
@emotion/memoize@0.8.0
URL: <https://github.com/emotion-js/emotion/tree/main/packages/memoize>
@emotion/react@11.10.5
URL: <https://github.com/emotion-js/emotion/tree/main/packages/react>
VendorName: Emotion Contributors
@emotion/serialize@1.1.1
URL: <https://github.com/emotion-js/emotion/tree/main/packages/serialize>
@emotion/sheet@1.2.1
URL: <https://github.com/emotion-js/emotion/tree/main/packages/sheet>
@emotion/stylis@0.8.5
URL: <https://github.com/emotion-js/emotion/tree/master/packages/stylis>
@emotion/unitless@0.7.5
URL: <https://github.com/emotion-js/emotion/tree/master/packages/unitless>
@emotion/unitless@0.8.0
URL: <https://github.com/emotion-js/emotion/tree/main/packages/unitless>
@emotion/use-insertion-effect-with-fallbacks@1.0.0
URL: <https://github.com/emotion-js/emotion/tree/main/packages/use-insertion-effect-with-fallbacks>
@emotion/utils@1.2.0
URL: <https://github.com/emotion-js/emotion/tree/main/packages/utils>
@emotion/weak-memoize@0.3.0
URL: <https://github.com/emotion-js/emotion/tree/main/packages/weak-memoize>
@floating-ui/core@1.0.1
URL: <https://github.com/floating-ui/floating-ui.git>
VendorName: atomiks
VendorUrl: <https://floating-ui.com/>
@floating-ui/dom@1.0.4
URL: <https://github.com/floating-ui/floating-ui.git>
VendorName: atomiks
VendorUrl: <https://floating-ui.com/>
@fluentui/react-component-event-listener@0.63.1
URL: <https://github.com/microsoft/fluentui.git>
VendorName: Oleksandr Fediashov
VendorUrl: <https://github.com/microsoft/fluentui/tree/master/packages/fluentui/react-component-event-listener>
@fluentui/react-component-ref@0.63.1
URL: <https://github.com/microsoft/fluentui.git>
VendorName: Oleksandr Fediashov
VendorUrl: <https://github.com/microsoft/fluentui/tree/master/packages/fluentui/react-component-ref>
@graphql-typed-document-node/core@3.1.0

URL: [git@github.com:dotansimha/graphql-typed-document-node.git](https://github.com/dotansimha/graphql-typed-document-node.git)
VendorName: Dotan Simha
@heroicons/react@1.0.6
URL: <https://github.com/tailwindlabs/heroicons.git>
VendorUrl: <https://github.com/tailwindlabs/heroicons#readme>
@heroicons/react@2.0.16
URL: <https://github.com/tailwindlabs/heroicons.git>
VendorUrl: <https://github.com/tailwindlabs/heroicons#readme>
@popperjs/core@2.11.6
URL: <https://github.com/popperjs/popper-core.git>
VendorName: Federico Zivolo
@react-dnd/asap@4.0.0
URL: <https://github.com/kriskowal/asap.git>
@react-dnd/invariant@2.0.0
URL: <https://github.com/react-dnd/invariant>
VendorName: Andres Suarez
@react-dnd/shallowequal@2.0.0
URL: <https://github.com/react-dnd/shallowequal.git>
VendorName: Alberto

Leal

VendorUrl: github.com/dashed
@semantic-ui-react/event-stack@3.1.3
URL: <https://github.com/layershifter/event-stack>
VendorName: layershifter
@sentry/tracing@5.27.0
URL: [git://github.com/getsentry/sentry-javascript.git](https://github.com/getsentry/sentry-javascript.git)
VendorName: Sentry
VendorUrl: <https://github.com/getsentry/sentry-javascript/tree/master/packages/tracing>
@types/chroma-js@2.1.4
URL: <https://github.com/DefinitelyTyped/DefinitelyTyped.git>
VendorUrl: <https://github.com/DefinitelyTyped/DefinitelyTyped/tree/master/types/chroma-js>
@types/color-name@1.1.1
URL: <https://github.com/DefinitelyTyped/DefinitelyTyped.git>
@types/debug@4.1.7
URL: <https://github.com/DefinitelyTyped/DefinitelyTyped.git>
VendorUrl: <https://github.com/DefinitelyTyped/DefinitelyTyped/tree/master/types/debug>
@types/hast@2.3.1
URL: <https://github.com/DefinitelyTyped/DefinitelyTyped.git>
@types/hoist-non-react-statics@3.3.1
URL: <https://github.com/DefinitelyTyped/DefinitelyTyped.git>
@types/js-cookie@2.2.7
URL: <https://github.com/DefinitelyTyped/DefinitelyTyped.git>
VendorUrl: <https://github.com/DefinitelyTyped/DefinitelyTyped/tree/master/types/js-cookie>
@types/long@4.0.1
URL: <https://github.com/DefinitelyTyped/DefinitelyTyped.git>
@types/mdast@3.0.3
URL: <https://github.com/DefinitelyTyped/DefinitelyTyped.git>
@types/mdurl@1.0.2

URL: <https://github.com/DefinitelyTyped/DefinitelyTyped.git>
@types/ms@0.7.31
URL: <https://github.com/DefinitelyTyped/DefinitelyTyped.git>
@types/node@12.12.62
URL: <https://github.com/DefinitelyTyped/DefinitelyTyped.git>
@types/node@13.13.21
URL: <https://github.com/DefinitelyTyped/DefinitelyTyped.git>
@types/parse-json@4.0.0
URL: <https://www.github.com/DefinitelyTyped/DefinitelyTyped.git>
@types/prop-types@15.7.3
URL: <https://github.com/DefinitelyTyped/DefinitelyTyped.git>
@types/raf@3.4.0
URL: <https://github.com/DefinitelyTyped/DefinitelyTyped.git>
@types/react-transition-group@4.4.5
URL: <https://github.com/DefinitelyTyped/DefinitelyTyped.git>
VendorUrl: <https://github.com/DefinitelyTyped/DefinitelyTyped/tree/master/types/react-transition-group>
@types/react@17.0.2
URL: <https://github.com/DefinitelyTyped/DefinitelyTyped.git>
@types/unist@2.0.3
URL: <https://github.com/DefinitelyTyped/DefinitelyTyped.git>
@types/zen-observable@0.8.1
URL: <https://github.com/DefinitelyTyped/DefinitelyTyped.git>
@wry/context@0.5.2
URL: <git+https://github.com/benjamn/wryware.git>
VendorName: Ben Newman
VendorUrl: <https://github.com/benjamn/wryware>
@wry/equality@0.2.0
URL: <git+https://github.com/benjamn/wryware.git>
VendorName: Ben Newman
VendorUrl: <https://github.com/benjamn/wryware>
@xobotyi/scrollbar-width@1.9.5
URL: <https://github.com/xobotyi/scrollbar-width.git>
VendorName: Anton Zinovyev
VendorUrl: <https://github.com/xobotyi/scrollbar-width>
abort-controller@3.0.0

URL: <git+https://github.com/mysticatea/abort-controller.git>
VendorName: Toru Nagashima
VendorUrl: <https://github.com/mysticatea/abort-controller#readme>
agent-base@6.0.1
URL: <git://github.com/TooTallNate/node-agent-base.git>
VendorName: Nathan Rajlich
VendorUrl: <http://n8.io/>
ansi-regex@5.0.0
URL: <https://github.com/chalk/ansi-regex.git>
VendorName: Sindre Sorhus
VendorUrl: <sindresorhus.com>
ansi-styles@3.2.1

URL: <https://github.com/chalk/ansi-styles.git>
VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com
ansi-styles@4.2.1
URL: <https://github.com/chalk/ansi-styles.git>
VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com
apollo-upload-client@14.1.2
URL: <https://github.com/jaydenseric/apollo-upload-client.git>
VendorName: Jayden Seric
VendorUrl: <https://github.com/jaydenseric/apollo-upload-client#readme>
arrify@2.0.1
URL: <https://github.com/sindresorhus/arrify.git>
VendorName: Sindre
Sorhus
VendorUrl: sindresorhus.com
ascii-data-table@2.1.1
URL: <https://github.com/oskarhane/ascii-data-table.git>
VendorName: Oskar Hane
VendorUrl: <http://oskarhane.com/>
attr-accept@2.2.2
URL: <https://github.com/react-dropzone/attr-accept.git>
VendorName: Andrey Okonetchnikov @okonetchnikov
VendorUrl: <https://github.com/react-dropzone/attr-accept#readme>
babel-plugin-macros@3.1.0
URL: <https://github.com/kentcdodds/babel-plugin-macros>
VendorName: Kent C. Dodds
VendorUrl: <https://github.com/kentcdodds/babel-plugin-macros#readme>
babel-plugin-styled-components@2.0.6
URL: <https://github.com/styled-components/babel-plugin-styled-components.git>
VendorUrl: <https://styled-components.com/docs/tooling#babel-plugin>
babel-plugin-syntax-jsx@6.18.0
URL: <https://github.com/babel/babel/tree/master/packages/babel-plugin-syntax-jsx>
bail@2.0.2
URL: <https://github.com/woorm/bail.git>
VendorName: Titus Wormer

VendorUrl: <https://woorm.com>
base64-js@1.3.1
URL: [git://github.com/beatgammit/base64-js.git](https://github.com/beatgammit/base64-js.git)
VendorName: T. Jameson Little
VendorUrl: <https://github.com/beatgammit/base64-js>
base64-js@1.5.1
URL: [git://github.com/beatgammit/base64-js.git](https://github.com/beatgammit/base64-js.git)
VendorName: T. Jameson Little
VendorUrl: <https://github.com/beatgammit/base64-js>
bignumber.js@9.0.0
URL: <https://github.com/MikeMcl/bignumber.js.git>

VendorName: Michael Mclaughlin
buffer-from@1.1.1
URL: <https://github.com/LinusU/buffer-from.git>

buffer@6.0.3
URL: <git://github.com/feross/buffer.git>
VendorName: Feross Aboukhadijeh
VendorUrl: <https://github.com/feross/buffer>

callsites@3.1.0
URL: <https://github.com/sindresorhus/callsites.git>
VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com

camelcase@5.3.1
URL: <https://github.com/sindresorhus/camelcase.git>
VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com

camelize@1.0.0
URL: <git://github.com/substack/camelize.git>
VendorName: James Halliday
VendorUrl: <https://github.com/substack/camelize>

canvg@3.0.7
URL: <https://github.com/canvg/canvg>

ccount@2.0.1
URL: <https://github.com/woorm/ccount.git>
VendorName: Titus Wormer
VendorUrl: <https://woorm.com>

chalk@2.4.2
URL: <https://github.com/chalk/chalk.git>

character-entities-legacy@1.1.4
URL: <https://github.com/woorm/character-entities-legacy.git>
VendorName: Titus Wormer
VendorUrl: <https://woorm.com>

character-entities@1.2.4
URL: <https://github.com/woorm/character-entities.git>
VendorName: Titus Wormer
VendorUrl: <https://woorm.com>

character-entities@2.0.1
URL: <https://github.com/woorm/character-entities.git>
VendorName: Titus Wormer
VendorUrl: <https://woorm.com>

character-reference-invalid@1.1.4
URL: <https://github.com/woorm/character-reference-invalid.git>
VendorName: Titus Wormer
VendorUrl: <https://woorm.com>

classnames@2.2.6
URL: <https://github.com/JedWatson/classnames.git>
VendorName: Jed Watson

classnames@2.3.1
URL: <https://github.com/JedWatson/classnames.git>

VendorName: Jed Watson
clsx@1.2.1
URL: <https://github.com/lukeed/clsx.git>
VendorName: Luke Edwards
VendorUrl: <https://lukeed.com>
color-convert@1.9.3
URL: <https://github.com/Qix-/color-convert.git>
VendorName: Heather Arthur
color-convert@2.0.1
URL: <https://github.com/Qix-/color-convert.git>
VendorName: Heather Arthur
color-name@1.1.3
URL: <git@github.com:dfcreative/color-name.git>
VendorName: DY
VendorUrl: <https://github.com/dfcreative/color-name>
color-name@1.1.4
URL: <git@github.com:colorjs/color-name.git>
VendorName: DY
VendorUrl: <https://github.com/colorjs/color-name>
comma-separated-tokens@1.0.8
URL: <https://github.com/woorm/comma-separated-tokens.git>
VendorName: Titus Wormer
VendorUrl: <https://woorm.com>
comma-separated-tokens@2.0.2
URL: <https://github.com/woorm/comma-separated-tokens.git>
VendorName: Titus Wormer
VendorUrl: <https://woorm.com>
commander@2.20.3
URL: <https://github.com/tj/commander.js.git>
VendorName: TJ Holowaychuk
convert-source-map@1.9.0
URL: <git://github.com/thlorenz/convert-source-map.git>
VendorName: Thorsten Lorenz
VendorUrl: <https://github.com/thlorenz/convert-source-map>
copy-to-clipboard@3.3.2
URL: <git+https://github.com/sudodoki/copy-to-clipboard>
VendorName: sudodoki
core-js-pure@3.16.1
URL: <https://github.com/zloirock/core-js.git>
core-js@2.6.11
URL: <https://github.com/zloirock/core-js.git>
core-js@3.6.5
URL: <https://github.com/zloirock/core-js.git>
core-util-is@1.0.2
URL: <git://github.com/isaacs/core-util-is>
VendorName: Isaac Z. Schlueter
VendorUrl: <http://blog.izs.me/>
cosmiconfig@7.0.1

URL: git+https://github.com/davidtheclark/cosmicconfig.git
VendorName: David
Clark
VendorUrl: https://github.com/davidtheclark/cosmicconfig#readme
css-in-js-utils@2.0.1
URL: https://github.com/rofrischmann/css-in-js-utils.git
VendorName: Robin Frischmann
css-to-react-native@3.0.0
URL: git+https://github.com/styled-components/css-to-react-native.git
VendorName: Jacob Parker
VendorUrl: https://github.com/styled-components/css-to-react-native#readme
css-tree@1.1.3
URL: https://github.com/csstree/csstree.git
VendorName: Roman Dvornov
VendorUrl: https://github.com/lahmatiy
csstype@3.0.6
URL: https://github.com/frenic/csstype
VendorName: Fredrik Nicol
csstype@3.1.1
URL: https://github.com/frenic/csstype
VendorName: Fredrik Nicol
debug@4.1.1
URL: git://github.com/visionmedia/debug.git
VendorName: TJ Holowaychuk
debug@4.3.3
URL: git://github.com/debug-js/debug.git
VendorName: Josh Junon
decamelize@1.2.0
URL: https://github.com/sindresorhus/decamelize.git
VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com
decode-named-character-reference@1.0.1
URL: https://github.com/woorm/decode-named-character-reference.git
VendorName: Titus Wormer
VendorUrl: https://woorm.com
deepmerge@2.2.1
URL: git://github.com/KyleAMathews/deepmerge.git
VendorName: Nick Fisher
VendorUrl: https://github.com/KyleAMathews/deepmerge
dequal@2.0.2
URL: https://github.com/lukeed/dequal.git
VendorName: Luke Edwards
VendorUrl: https://lukeed.com
detect-browser@5.3.0
URL: https://github.com/DamonOehlman/detect-browser.git
VendorName: Damon Oehlman
VendorUrl: https://github.com/DamonOehlman/detect-browser
discontinuous-range@1.0.0

URL: <https://github.com/dtudury/discontinuous-range.git>
VendorName: David Tudury
VendorUrl: <https://github.com/dtudury/discontinuous-range>
dnd-core@11.1.3
URL: <https://github.com/react-dnd/react-dnd.git>
dom-helpers@5.2.1
URL: [git+https://github.com/react-bootstrap/dom-helpers.git](https://github.com/react-bootstrap/dom-helpers.git)
VendorName: Jason Quense
VendorUrl: <https://github.com/react-bootstrap/dom-helpers#readme>
emoji-regex@8.0.0
URL: <https://github.com/mathiasbynens/emoji-regex.git>
VendorName: Mathias Bynens
VendorUrl: <https://mths.be/emoji-regex>
error-ex@1.3.2
URL: <https://github.com/qix-/node-error-ex.git>
error-stack-parser@2.0.6
URL: [git://github.com/stacktracejs/error-stack-parser.git](https://github.com/stacktracejs/error-stack-parser.git)
VendorUrl: <https://www.stacktracejs.com/>
escape-string-regexp@1.0.5
URL: <https://github.com/sindresorhus/escape-string-regexp.git>
VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com
escape-string-regexp@4.0.0
URL: <https://github.com/sindresorhus/escape-string-regexp.git>
VendorName: Sindre Sorhus
VendorUrl: <https://sindresorhus.com>
escape-string-regexp@5.0.0
URL: <https://github.com/sindresorhus/escape-string-regexp.git>
VendorName: Sindre Sorhus
VendorUrl: <https://sindresorhus.com>
event-target-shim@5.0.1
URL: <https://github.com/mysticatea/event-target-shim.git>
VendorName: Toru Nagashima
VendorUrl: <https://github.com/mysticatea/event-target-shim>
extend@3.0.2
URL: <https://github.com/justmoon/node-extend.git>
VendorName: Stefan Thomas
VendorUrl: <http://www.justmoon.net>
extract-files@9.0.0
URL: <https://github.com/jaydenseric/extract-files.git>
VendorName: Jayden Seric
VendorUrl: <https://github.com/jaydenseric/extract-files#readme>
fast-deep-equal@3.1.3
URL: [git+https://github.com/epoberezkin/fast-deep-equal.git](https://github.com/epoberezkin/fast-deep-equal.git)
VendorName: Evgeny Poberezkin
VendorUrl: <https://github.com/epoberezkin/fast-deep-equal#readme>
fast-json-stable-stringify@2.1.0
URL: [git://github.com/epoberezkin/fast-json-stable-stringify.git](https://github.com/epoberezkin/fast-json-stable-stringify.git)

VendorName: James Halliday
VendorUrl: <https://github.com/epoberezkin/fast-json-stable-stringify>
fastest-stable-stringify@2.0.2
URL: <https://github.com/streamich/fastest-stable-stringify>
VendorUrl: <https://github.com/streamich/fastest-stable-stringify>
fault@1.0.4
URL: <https://github.com/woorm/fault.git>
VendorName: Titus Wormer
VendorUrl: <https://woorm.com>
file-saver@1.3.8
URL: [git+https://github.com/eligrey/FileSaver.js](https://github.com/eligrey/FileSaver.js).git
VendorName: Eli Grey
VendorUrl: <https://github.com/eligrey/FileSaver.js#readme>
file-saver@2.0.5
URL: <https://github.com/eligrey/FileSaver.js>
VendorName: Eli Grey
VendorUrl: <https://github.com/eligrey/FileSaver.js#readme>
file-selector@0.6.0
URL: <https://github.com/react-dropzone/file-selector.git>
VendorName: Roland Groza
VendorUrl: <https://github.com/react-dropzone/file-selector>
find-root@1.1.0
URL: [git@github.com:js-n/find-root.git](https://github.com/js-n/find-root.git)
VendorName: jsdnxx
find-up@4.1.0
URL: <https://github.com/sindresorhus/find-up.git>
VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com
format@0.2.2
URL: [git://github.com/samsonjs/format.git](https://github.com/samsonjs/format.git)
VendorName: Sami Samhuri
VendorUrl: <http://samhuri.net/proj/format>
function-bind@1.1.1
URL: [git://github.com/Raynos/function-bind.git](https://github.com/Raynos/function-bind.git)
VendorName: Raynos
VendorUrl: <https://github.com/Raynos/function-bind>
globals@11.12.0
URL: <https://github.com/sindresorhus/globals.git>
VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com
google-p12-pem@3.0.3
URL: <https://github.com/google/google-p12-pem>
VendorName: Ryan Seys
graphql-tag@2.11.0
URL: [git+https://github.com/apollographql/graphql-tag.git](https://github.com/apollographql/graphql-tag.git)
VendorUrl: <https://github.com/apollographql/graphql-tag#readme>
graphql@15.3.0
URL: <https://github.com/graphql/graphql-js.git>

VendorUrl: <https://github.com/graphql/graphql-js>
gtoken@5.0.3
URL: <https://github.com/google/node-gtoken>.git
VendorName: Google, LLC
has-flag@3.0.0
URL: <https://github.com/sindresorhus/has-flag>.git
VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com
has@1.0.3
URL: [git://github.com/tarruda/has](https://github.com/tarruda/has).git
VendorName: Thiago de Arruda
VendorUrl: <https://github.com/tarruda/has>
hast-util-parse-selector@2.2.5
URL: <https://github.com/syntax-tree/hast-util-parse-selector>.git
VendorName: Titus Wormer
VendorUrl: <https://wooorm.com>
hast-util-whitespace@2.0.0
URL: <https://github.com/syntax-tree/hast-util-whitespace>.git
VendorName: Titus Wormer
VendorUrl: <https://wooorm.com>
hastscript@6.0.0
URL: <https://github.com/syntax-tree/hastscript>.git
VendorName: Titus Wormer
VendorUrl: <https://wooorm.com>
http-parser-js@0.5.2
URL: [git://github.com/creationix/http-parser-js](https://github.com/creationix/http-parser-js).git
VendorName: Tim Caswell
VendorUrl: <https://github.com/creationix>
https-proxy-agent@5.0.0
URL: [git://github.com/TooTallNate/node-https-proxy-agent](https://github.com/TooTallNate/node-https-proxy-agent).git
VendorName: Nathan Rajlich
VendorUrl: <http://n8.io/>
immediate@3.0.6
URL: [git://github.com/calvinmetcalf/immediate](https://github.com/calvinmetcalf/immediate).git
import-fresh@3.2.1
URL: <https://github.com/sindresorhus/import-fresh>.git
VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com
inline-style-parser@0.1.1
URL: <https://github.com/remarkablemark/inline-style-parser>
inline-style-prefixer@6.0.1
URL: <https://github.com/rofrischmann/inline-style-prefixer>
VendorName: Robin Frischmann
invariant@2.2.4
URL: <https://github.com/zertosh/invariant>
VendorName: Andres Suarez
is-alphabetical@1.0.4
URL: <https://github.com/wooorm/is-alphabetical>.git

VendorName: Titus Wormer
VendorUrl: <https://woorm.com>
is-alphanumeric@1.0.4
URL: <https://github.com/woorm/is-alphanumeric.git>
VendorName: Titus Wormer
VendorUrl: <https://woorm.com>
is-arrayish@0.2.1
URL: <https://github.com/qix-/node-is-arrayish.git>
VendorName: Qix
VendorUrl: <http://github.com/qix->
is-buffer@2.0.4
URL: <git://github.com/feross/is-buffer.git>
VendorName: Feross Aboukhadijeh
VendorUrl:
<https://feross.org>
is-core-module@2.11.0
URL: <git+https://github.com/inspect-js/is-core-module.git>
VendorName: Jordan Harband
VendorUrl: <https://github.com/inspect-js/is-core-module>
is-decimal@1.0.4
URL: <https://github.com/woorm/is-decimal.git>
VendorName: Titus Wormer
VendorUrl: <https://woorm.com>
is-fullwidth-code-point@3.0.0
URL: <https://github.com/sindresorhus/is-fullwidth-code-point.git>
VendorName: Sindre Sorhus
VendorUrl: <sindresorhus.com>
is-hexadecimal@1.0.4
URL: <https://github.com/woorm/is-hexadecimal.git>
VendorName: Titus Wormer
VendorUrl: <https://woorm.com>
is-plain-obj@4.0.0
URL: <https://github.com/sindresorhus/is-plain-obj.git>
VendorName: Sindre Sorhus
VendorUrl: <https://sindresorhus.com>
is-stream@2.0.0
URL: <https://github.com/sindresorhus/is-stream.git>
VendorName: Sindre Sorhus
VendorUrl: <sindresorhus.com>
isarray@1.0.0
URL: <git://github.com/juliangruber/isarray.git>
VendorName: Julian Gruber
VendorUrl: <https://github.com/juliangruber/isarray>
isobject@3.0.1
URL: <https://github.com/jonschlinkert/isobject.git>
VendorName: Jon Schlinkert
VendorUrl: <https://github.com/jonschlinkert/isobject>
isomorphic-fetch@3.0.0

URL: <https://github.com/matthew-andrews/isomorphic-fetch.git>
VendorName: Matt Andrews
VendorUrl: <https://github.com/matthew-andrews/isomorphic-fetch/issues>

js-cookie@2.2.1
URL: <git://github.com/js-cookie/js-cookie.git>
VendorName: Klaus Hartl

js-tokens@4.0.0
URL: <https://github.com/lydell/js-tokens.git>
VendorName: Simon Lydell

jsesc@2.5.2
URL: <https://github.com/mathiasbynens/jsesc.git>
VendorName: Mathias Bynens
VendorUrl: <https://mths.be/jsesc>

json-bigint@1.0.0
URL: <git@github.com:sidorares/json-bigint.git>
VendorName: Andrey Sidorov

json-parse-even-better-errors@2.3.1
URL: <https://github.com/npm/json-parse-even-better-errors>
VendorName: Kat Marchn

jsonic@0.3.1
URL: <git://github.com/rjrodger/jsonic.git>
VendorName: Richard Rodger
VendorUrl: <https://github.com/rjrodger/jsonic>

jwa@2.0.0
URL: <git://github.com/brianloveswords/node-jwa.git>
VendorName: Brian J. Brennan

jws@4.0.0
URL: <git://github.com/brianloveswords/node-jws.git>
VendorName: Brian J Brennan

jwt-decode@3.1.2
URL: <git://github.com/auth0/jwt-decode>
VendorName: Jose F. Romaniello
VendorUrl: <https://github.com/auth0/jwt-decode#readme>

keyboard-key@1.1.0
URL: <git+ssh://github.com/levithomason/keyboard-key.git>
VendorName: Levi Thomason

kleur@4.1.4
URL: <https://github.com/lukeed/kleur.git>
VendorName: Luke Edwards
VendorUrl: <https://lukeed.com>

lie@3.1.1
URL: <https://github.com/calvinmetcalf/lie.git>

lie@3.3.0
URL: <https://github.com/calvinmetcalf/lie.git>

lines-and-columns@1.1.6
URL: <https://github.com/eventualbuddha/lines-and-columns.git>
VendorName: Brian Donovan
VendorUrl: <https://github.com/eventualbuddha/lines-and-columns#readme>

locate-path@5.0.0
URL: <https://github.com/sindresorhus/locate-path.git>
VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com

lodash-es@4.17.15
URL: <https://github.com/lodash/lodash.git>
VendorName: John-David Dalton
VendorUrl: <https://lodash.com/custom-builds>

lodash-es@4.17.21
URL: <https://github.com/lodash/lodash.git>
VendorName: John-David Dalton
VendorUrl: <https://lodash.com/custom-builds>

lodash.camelcase@4.3.0
URL: <https://github.com/lodash/lodash.git>
VendorName: John-David Dalton
VendorUrl: <https://lodash.com/>

lodash.find@4.6.0
URL: <https://github.com/lodash/lodash.git>
VendorName: John-David Dalton
VendorUrl: <https://lodash.com/>

lodash.includes@4.3.0
URL: <https://github.com/lodash/lodash.git>
VendorName: John-David Dalton
VendorUrl: <https://lodash.com/>

lodash.pick@4.4.0
URL: <https://github.com/lodash/lodash.git>
VendorName: John-David Dalton
VendorUrl: <https://lodash.com/>

lodash@4.17.20
URL: <https://github.com/lodash/lodash.git>
VendorName: John-David Dalton
VendorUrl: <https://lodash.com/>

lodash@4.17.21
URL: <https://github.com/lodash/lodash.git>
VendorName: John-David Dalton
VendorUrl: <https://lodash.com/>

longest-streak@3.0.1
URL: <https://github.com/wooorm/longest-streak.git>
VendorName: Titus Wormer
VendorUrl: <https://wooorm.com>

loose-envify@1.4.0
URL: <https://github.com/zertosh/loose-envify.git>
VendorName: Andres Suarez
VendorUrl: <https://github.com/zertosh/loose-envify>

lowlight@1.20.0
URL: <https://github.com/wooorm/lowlight.git>
VendorName: Titus Wormer
VendorUrl: <https://wooorm.com>

luxon@2.5.2

URL: <https://github.com/moment/luxon>

VendorName: Isaac Cambron

markdown-table@3.0.2

URL: <https://github.com/woorm/markdown-table.git>

VendorName: Titus Wormer

VendorUrl: <https://woorm.com>

mdast-util-definitions@5.1.0

URL: <https://github.com/syntax-tree/mdast-util-definitions.git>

VendorName: Titus Wormer

VendorUrl: <https://woorm.com>

mdast-util-find-and-replace@2.1.0

URL: <https://github.com/syntax-tree/mdast-util-find-and-replace.git>

VendorName: Titus Wormer

VendorUrl: <https://woorm.com>

mdast-util-from-markdown@1.2.0

URL: <https://github.com/syntax-tree/mdast-util-from-markdown.git>

VendorName: Titus Wormer

VendorUrl: <https://woorm.com>

mdast-util-gfm-autolink-literal@1.0.2

URL: <https://github.com/syntax-tree/mdast-util-gfm-autolink-literal.git>

VendorName: Titus Wormer

VendorUrl: <https://woorm.com>

mdast-util-gfm-footnote@1.0.1

URL: <https://github.com/syntax-tree/mdast-util-gfm-footnote.git>

VendorName: Titus Wormer

VendorUrl: <https://woorm.com>

mdast-util-gfm-strikethrough@1.0.1

URL: <https://github.com/syntax-tree/mdast-util-gfm-strikethrough.git>

VendorName: Titus Wormer

VendorUrl: <https://woorm.com>

mdast-util-gfm-table@1.0.3

URL: <https://github.com/syntax-tree/mdast-util-gfm-table.git>

VendorName: Titus Wormer

VendorUrl: <https://woorm.com>

mdast-util-gfm-task-list-item@1.0.1

URL: <https://github.com/syntax-tree/mdast-util-gfm-task-list-item.git>

VendorName: Titus Wormer

VendorUrl: <https://woorm.com>

mdast-util-gfm@2.0.0

URL: <https://github.com/syntax-tree/mdast-util-gfm.git>

VendorName: Titus Wormer

VendorUrl: <https://woorm.com>

mdast-util-to-hast@12.1.1

URL: <https://github.com/syntax-tree/mdast-util-to-hast.git>

VendorName: Titus Wormer

VendorUrl: <https://woorm.com>

mdast-util-to-markdown@1.3.0
URL: <https://github.com/syntax-tree/mdast-util-to-markdown.git>
VendorName: Titus Wormer
VendorUrl: <https://wooorm.com>

mdast-util-to-string@3.1.0
URL: <https://github.com/syntax-tree/mdast-util-to-string.git>
VendorName: Titus Wormer
VendorUrl: <https://wooorm.com>

mdurl@1.0.1
URL: <https://github.com/markdown-it/mdurl.git>

memoize-one@5.2.1
URL: <https://github.com/alexreardon/memoize-one.git>
VendorName: Alex Reardon

memoize-one@6.0.0
URL: <https://github.com/alexreardon/memoize-one.git>
VendorName: Alex Reardon

micromark-core-commonmark@1.0.6
URL: <https://github.com/micromark/micromark/tree/main/packages/micromark-core-commonmark>
VendorName: Titus Wormer
VendorUrl: <https://wooorm.com>

micromark-extension-gfm-autolink-literal@1.0.3
URL: <https://github.com/micromark/micromark-extension-gfm-autolink-literal.git>
VendorName: Titus Wormer
VendorUrl: <https://wooorm.com>

micromark-extension-gfm-footnote@1.0.3
URL: <https://github.com/micromark/micromark-extension-gfm-footnote.git>
VendorName: Titus Wormer
VendorUrl: <https://wooorm.com>

micromark-extension-gfm-strikethrough@1.0.4
URL: <https://github.com/micromark/micromark-extension-gfm-strikethrough.git>
VendorName: Titus Wormer
VendorUrl: <https://wooorm.com>

micromark-extension-gfm-table@1.0.5
URL: <https://github.com/micromark/micromark-extension-gfm-table.git>
VendorName: Titus Wormer
VendorUrl: <https://wooorm.com>

micromark-extension-gfm-tagfilter@1.0.1
URL: <https://github.com/micromark/micromark-extension-gfm-tagfilter.git>
VendorName: Titus Wormer
VendorUrl: <https://wooorm.com>

micromark-extension-gfm-task-list-item@1.0.3
URL: <https://github.com/micromark/micromark-extension-gfm-task-list-item.git>
VendorName: Titus Wormer
VendorUrl: <https://wooorm.com>

micromark-extension-gfm@2.0.1
URL: <https://github.com/micromark/micromark-extension-gfm.git>
VendorName: Titus Wormer
VendorUrl: <https://wooorm.com>

micromark-factory-destination@1.0.0
URL: <https://github.com/micromark/micromark/tree/main/packages/micromark-factory-destination>
VendorName: Titus

Wormer
VendorUrl: <https://woorm.com>

micromark-factory-label@1.0.2
URL: <https://github.com/micromark/micromark/tree/main/packages/micromark-factory-label>
VendorName: Titus Wormer
VendorUrl: <https://woorm.com>

micromark-factory-space@1.0.0
URL: <https://github.com/micromark/micromark/tree/main/packages/micromark-factory-space>
VendorName: Titus Wormer
VendorUrl: <https://woorm.com>

micromark-factory-title@1.0.2
URL: <https://github.com/micromark/micromark/tree/main/packages/micromark-factory-title>
VendorName: Titus Wormer
VendorUrl: <https://woorm.com>

micromark-factory-whitespace@1.0.0
URL: <https://github.com/micromark/micromark/tree/main/packages/micromark-factory-whitespace>
VendorName: Titus Wormer
VendorUrl: <https://woorm.com>

micromark-util-character@1.1.0
URL: <https://github.com/micromark/micromark/tree/main/packages/micromark-util-character>
VendorName: Titus Wormer
VendorUrl: <https://woorm.com>

micromark-util-chunked@1.0.0
URL: <https://github.com/micromark/micromark/tree/main/packages/micromark-util-chunked>
VendorName: Titus Wormer
VendorUrl: <https://woorm.com>

micromark-util-classify-character@1.0.0
URL: <https://github.com/micromark/micromark/tree/main/packages/micromark-util-classify-character>
VendorName: Titus Wormer
VendorUrl: <https://woorm.com>

micromark-util-combine-extensions@1.0.0
URL: <https://github.com/micromark/micromark/tree/main/packages/micromark-util-combine-extensions>
VendorName: Titus Wormer
VendorUrl: <https://woorm.com>

micromark-util-decode-numeric-character-reference@1.0.0
URL: <https://github.com/micromark/micromark/tree/main/packages/micromark-util-decode-numeric-character-reference>
VendorName: Titus Wormer
VendorUrl: <https://woorm.com>

micromark-util-decode-string@1.0.2
URL: <https://github.com/micromark/micromark/tree/main/packages/micromark-util-decode-string>
VendorName:
Titus Wormer
VendorUrl: <https://woorm.com>

micromark-util-encode@1.0.1

URL: <https://github.com/micromark/micromark/tree/main/packages/micromark-util-encode>
VendorName: Titus Wormer
VendorUrl: <https://wooorm.com>
micromark-util-html-tag-name@1.0.0
URL: <https://github.com/micromark/micromark/tree/main/packages/micromark-util-html-tag-name>
VendorName: Titus Wormer
VendorUrl: <https://wooorm.com>
micromark-util-normalize-identifier@1.0.0
URL: <https://github.com/micromark/micromark/tree/main/packages/micromark-util-normalize-identifier>
VendorName: Titus Wormer
VendorUrl: <https://wooorm.com>
micromark-util-resolve-all@1.0.0
URL: <https://github.com/micromark/micromark/tree/main/packages/micromark-util-resolve-all>
VendorName: Titus Wormer
VendorUrl: <https://wooorm.com>
micromark-util-sanitize-uri@1.0.0
URL: <https://github.com/micromark/micromark/tree/main/packages/micromark-util-sanitize-uri>
VendorName:
Titus Wormer
VendorUrl: <https://wooorm.com>
micromark-util-subtokenize@1.0.2
URL: <https://github.com/micromark/micromark/tree/main/packages/micromark-util-subtokenize>
VendorName: Titus Wormer
VendorUrl: <https://wooorm.com>
micromark-util-symbol@1.0.1
URL: <https://github.com/micromark/micromark/tree/main/packages/micromark-util-symbol>
VendorName: Titus Wormer
VendorUrl: <https://wooorm.com>
micromark-util-types@1.0.2
URL: <https://github.com/micromark/micromark/tree/main/packages/micromark-util-types>
VendorName: Titus Wormer
VendorUrl: <https://wooorm.com>
micromark@3.0.10
URL: <https://github.com/micromark/micromark/tree/main/packages/micromark>
VendorName: Titus Wormer
VendorUrl: <https://wooorm.com>
mime@2.4.6
URL: <https://github.com/broofa/mime>
VendorName: Robert Kieffer
VendorUrl: <http://github.com/broofa>
monaco-editor@0.23.0
URL: <https://github.com/Microsoft/monaco-editor>
VendorName:
Microsoft Corporation
mri@1.2.0
URL: <https://github.com/lukeed/mri.git>
VendorName: Luke Edwards
VendorUrl: <https://lukeed.com>

ms@2.1.2
URL: <https://github.com/zeit/ms.git>

ms@2.1.3
URL: <https://github.com/vercel/ms.git>

nearley@2.18.0
URL: <https://github.com/hardmath123/nearley.git>
VendorName: Hardmath123

node-fetch@2.6.1
URL: <https://github.com/bitinn/node-fetch.git>
VendorName: David Frank
VendorUrl: <https://github.com/bitinn/node-fetch>

node-fetch@2.6.9
URL: <https://github.com/bitinn/node-fetch.git>
VendorName: David Frank
VendorUrl: <https://github.com/bitinn/node-fetch>

object-assign@4.1.1
URL: <https://github.com/sindresorhus/object-assign.git>
VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com

optimism@0.12.1
URL: <git+https://github.com/benjamn/optimism.git>
VendorName: Ben Newman
VendorUrl: <https://github.com/benjamn/optimism#readme>

p-limit@2.3.0
URL: <https://github.com/sindresorhus/p-limit.git>
VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com

p-locate@4.1.0
URL: <https://github.com/sindresorhus/p-locate.git>
VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com

p-try@2.2.0
URL: <https://github.com/sindresorhus/p-try.git>
VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com

parent-module@1.0.1
URL: <https://github.com/sindresorhus/parent-module.git>
VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com

parse-entities@2.0.0
URL: <https://github.com/wooorm/parse-entities.git>
VendorName: Titus Wormer
VendorUrl: <https://wooorm.com>

parse-json@5.1.0
URL: <https://github.com/sindresorhus/parse-json.git>
VendorName: Sindre Sorhus
VendorUrl: <https://sindresorhus.com>

path-exists@4.0.0

URL: <https://github.com/sindresorhus/path-exists.git>
VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com

path-parse@1.0.7
URL: <https://github.com/jbgutierrez/path-parse.git>
VendorName: Javier Blanco
VendorUrl: <https://github.com/jbgutierrez/path-parse#readme>

path-type@4.0.0
URL: <https://github.com/sindresorhus/path-type.git>
VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com

performance-now@2.1.0
URL: <git://github.com/braveg1rl/performance-now.git>
VendorName: Braveg1rl
VendorUrl: <https://github.com/braveg1rl/performance-now>

picomatch@2.3.1
URL: <https://github.com/micromatch/picomatch.git>
VendorName: Jon Schlinkert
VendorUrl: <https://github.com/micromatch/picomatch>

postcss-value-parser@4.2.0
URL: <https://github.com/TrySound/postcss-value-parser.git>
VendorName: Bogdan Chadkin
VendorUrl: <https://github.com/TrySound/postcss-value-parser>

prismjs@1.27.0
URL: <https://github.com/PrismJS/prism.git>
VendorName: Lea Verou

prismjs@1.29.0
URL: <https://github.com/PrismJS/prism.git>
VendorName: Lea Verou

process-nexttick-args@2.0.1
URL: <https://github.com/calvinmetcalf/process-nexttick-args.git>
VendorUrl: <https://github.com/calvinmetcalf/process-nexttick-args>

promise-polyfill@8.1.3
URL: <https://github.com/taylorhakes/promise-polyfill.git>
VendorName: Taylor Hakes
VendorUrl: <https://github.com/taylorhakes/promise-polyfill>

prop-types@15.7.2
URL: <https://github.com/facebook/prop-types.git>
VendorUrl: <https://facebook.github.io/react/>

prop-types@15.8.1
URL: <https://github.com/facebook/prop-types.git>
VendorUrl: <https://facebook.github.io/react/>

property-information@5.6.0
URL: <https://github.com/wooorm/property-information.git>
VendorName: Titus Wormer
VendorUrl: <https://wooorm.com>

property-information@6.1.1
URL: <https://github.com/wooorm/property-information.git>

VendorName: Titus Wormer
VendorUrl: <https://woorm.com>
punycode@2.1.1
URL: <https://github.com/bestiejs/punycode.js.git>
VendorName: Mathias Bynens
VendorUrl: <https://mths.be/punycode>
raf@3.4.1
URL: <git://github.com/chrisdickinson/raf.git>
VendorName: Chris Dickinson
randexp@0.4.6
URL: <git://github.com/fent/randexp.js.git>
VendorName: Roly Fentanes
VendorUrl: <http://fent.github.io/randexp.js/>
re-resizable@6.9.9
URL: <https://github.com/bokuweb/react-resizable-box.git>
VendorName: bokuweb
VendorUrl: <https://github.com/bokuweb/react-resizable-box>
react-dnd-html5-backend@11.1.3
URL: <https://github.com/react-dnd/react-dnd.git>
react-dnd@11.1.3
URL: <https://github.com/react-dnd/react-dnd.git>
react-dom@17.0.2
URL: <https://github.com/facebook/react.git>
VendorUrl: <https://reactjs.org/>
react-dropzone@14.2.3
URL: <https://github.com/react-dropzone/react-dropzone.git>
VendorName: Param Aggarwal
VendorUrl: <https://github.com/react-dropzone/react-dropzone>
react-fast-compare@3.2.0
URL: <git+https://github.com/FormidableLabs/react-fast-compare.git>
VendorName:
Chris Bolin
VendorUrl: <https://github.com/FormidableLabs/react-fast-compare>
react-is@16.13.1
URL: <https://github.com/facebook/react.git>
VendorUrl: <https://reactjs.org/>
react-is@17.0.2
URL: <https://github.com/facebook/react.git>
VendorUrl: <https://reactjs.org/>
react-is@18.2.0
URL: <https://github.com/facebook/react.git>
VendorUrl: <https://reactjs.org/>
react-lifecycles-compat@3.0.4
URL: <https://github.com/reactjs/react-lifecycles-compat.git>
react-markdown@8.0.0
URL: <https://github.com/remarkjs/react-markdown.git>
VendorName: Espen Hovlandsdal
react-popper@2.3.0

URL: <https://github.com/popperjs/react-popper>
VendorName: Travis Arnold
VendorUrl: <https://popper.js.org/react-popper>
react-redux@5.1.2
URL: <https://github.com/reduxjs/react-redux.git>
VendorName: Dan Abramov
VendorUrl: <https://github.com/reduxjs/react-redux>
react-select@5.5.8
URL: <https://github.com/JedWatson/react-select/tree/master/packages/react-select>
VendorName: Jed Watson
react-suber@1.0.4
URL: <https://github.com/oskarhane/react-suber.git>
VendorName: Oskar Hane
VendorUrl: <http://oskarhane.com/>
react-svg-inline@2.1.1
URL: <https://github.com/MoOx/react-svg-inline.git>
VendorName: Maxime Thirouin
react-syntax-highlighter@15.5.0
URL: [git+https://github.com/react-syntax-highlighter/react-syntax-highlighter.git](https://github.com/react-syntax-highlighter/react-syntax-highlighter.git)
VendorName: Conor Hastings
VendorUrl: <https://github.com/react-syntax-highlighter/react-syntax-highlighter#readme>
react-table@7.0.4
URL: [git+https://github.com/tannerlinsley/react-table.git](https://github.com/tannerlinsley/react-table.git)
VendorUrl: <https://github.com/tannerlinsley/react-table#readme>
react-table@7.8.0
URL: <https://github.com/tannerlinsley/react-table>
VendorUrl: <https://react-table.tanstack.com/>
react-timeago@4.4.0
URL: <https://github.com/naman34/react-timeago.git>
VendorName: Naman Goel
VendorUrl: <https://github.com/nmn/react-timeago>

react@17.0.2
URL: <https://github.com/facebook/react.git>
VendorUrl: <https://reactjs.org/>
readable-stream@2.3.7
URL: [git://github.com/nodejs/readable-stream](https://github.com/nodejs/readable-stream)
redux-observable@0.16.0
URL: [git+https://github.com/redux-observable/redux-observable.git](https://github.com/redux-observable/redux-observable.git)
VendorUrl: <https://github.com/redux-observable/redux-observable#README.md>
redux@3.7.2
URL: <https://github.com/reactjs/redux.git>
VendorUrl: <http://redux.js.org/>
redux@4.0.5
URL: <https://github.com/reduxjs/redux.git>
VendorUrl: <http://redux.js.org/>
refractor@3.6.0
URL: <https://github.com/wooorm/refractor.git>

VendorName: Titus Wormer
VendorUrl: <https://woorm.com>
regenerator-runtime@0.13.10
URL: <https://github.com/facebook/regenerator/tree/master/packages/runtime>
VendorName: Ben Newman
regenerator-runtime@0.13.11
URL: <https://github.com/facebook/regenerator/tree/main/packages/runtime>
VendorName: Ben Newman
regenerator-runtime@0.13.7
URL: <https://github.com/facebook/regenerator/tree/master/packages/regenerator-runtime>
VendorName: Ben Newman
regenerator-runtime@0.13.9
URL: <https://github.com/facebook/regenerator/tree/master/packages/runtime>
VendorName: Ben Newman
remark-gfm@3.0.1
URL: <https://github.com/remarkjs/remark-gfm.git>
VendorName: Titus Wormer
VendorUrl: <https://woorm.com>
remark-parse@10.0.1
URL: <https://github.com/remarkjs/remark/tree/main/packages/remark-parse>
VendorName: Titus Wormer
VendorUrl: <https://remark.js.org/>
remark-rehype@10.1.0
URL: <https://github.com/remarkjs/remark-rehype.git>
VendorName: Titus Wormer
VendorUrl: <https://woorm.com>
require-directory@2.1.1
URL: <git://github.com/troygoode/node-require-directory.git>
VendorName: Troy Goode
VendorUrl: <https://github.com/troygoode/node-require-directory/>
resize-observer-polyfill@1.5.1
URL: <https://github.com/que-etc/resize-observer-polyfill.git>
VendorName:
Denis Rul
VendorUrl: <https://github.com/que-etc/resize-observer-polyfill>
resolve-from@4.0.0
URL: <https://github.com/sindresorhus/resolve-from.git>
VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com
resolve@1.22.1
URL: <git://github.com/browserify/resolve.git>
VendorName: James Halliday
VendorUrl: <http://substack.net>
ret@0.1.15
URL: <git://github.com/fent/ret.js.git>
VendorName: Roly Fentanes
VendorUrl: <https://github.com/fent>
rtl-css-js@1.16.0

URL: <https://github.com/kentcdodds/rtl-css-js.git>
VendorName: Kent C. Dodds
VendorUrl: <https://github.com/kentcdodds/rtl-css-js#readme>
sade@1.8.1
URL: <https://github.com/lukeed/sade.git>
VendorName: Luke Edwards
VendorUrl: <https://lukeed.com>
safe-buffer@5.1.2
URL: <git://github.com/feross/safe-buffer.git>
VendorName: Feross Aboukhadijeh
VendorUrl: <https://github.com/feross/safe-buffer>
safe-buffer@5.2.1
URL: <git://github.com/feross/safe-buffer.git>
VendorName: Feross Aboukhadijeh
VendorUrl: <https://github.com/feross/safe-buffer>
scheduler@0.20.2
URL: <https://github.com/facebook/react.git>
VendorUrl: <https://reactjs.org/>
screenfull@5.2.0
URL: <https://github.com/sindresorhus/screenfull.js.git>
VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com
semantic-ui-react@2.1.4
URL: <git+ssh://github.com/Semantic-Org/Semantic-UI-React.git>
VendorName: Levi Thomason
VendorUrl: <https://github.com/Semantic-Org/Semantic-UI-React#readme>
set-immediate-shim@1.0.1
URL: <https://github.com/sindresorhus/set-immediate-shim.git>
VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com
shallowequal@1.1.0
URL: <https://github.com/dashed/shallowequal.git>
VendorName: Alberto Leal
VendorUrl: github.com/dashed
source-map-support@0.5.19
URL: <https://github.com/evanw/node-source-map-support>
sourcemap-codec@1.4.8
URL: <https://github.com/Rich-Harris/sourcemap-codec>
VendorName: Rich Harris
VendorUrl: <https://github.com/Rich-Harris/sourcemap-codec>
space-separated-tokens@1.1.5
URL: <https://github.com/wooorm/space-separated-tokens.git>
VendorName: Titus Wormer
VendorUrl: <https://wooorm.com>
space-separated-tokens@2.0.1
URL: <https://github.com/wooorm/space-separated-tokens.git>
VendorName: Titus Wormer
VendorUrl: <https://wooorm.com>

stack-generator@2.0.10
URL: [git://github.com/stacktracejs/stack-generator.git](https://github.com/stacktracejs/stack-generator.git)
VendorUrl: <https://www.stacktracejs.com/>

stackblur-canvas@2.5.0
URL: <https://github.com/flozz/StackBlur.git>
VendorName: Mario Klingemann
VendorUrl: <http://www.quasimondo.com/StackBlurForCanvas/StackBlurDemo.html>

stackframe@1.2.0
URL: [git://github.com/stacktracejs/stackframe.git](https://github.com/stacktracejs/stackframe.git)
VendorUrl: <https://www.stacktracejs.com/>

stackframe@1.3.4
URL: [git://github.com/stacktracejs/stackframe.git](https://github.com/stacktracejs/stackframe.git)
VendorUrl: <https://www.stacktracejs.com/>

stacktrace-gps@3.1.2
URL: [git://github.com/stacktracejs/stacktrace-gps.git](https://github.com/stacktracejs/stacktrace-gps.git)
VendorUrl: <https://www.stacktracejs.com/>

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VendorUrl: <https://www.stacktracejs.com/>

string_decoder@1.1.1
URL: [git://github.com/nodejs/string_decoder.git](https://github.com/nodejs/string_decoder.git)
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string_decoder@1.3.0
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VendorUrl: https://github.com/nodejs/string_decoder

string-width@4.2.0
URL: <https://github.com/sindresorhus/string-width.git>
VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com

strip-ansi@6.0.0
URL: <https://github.com/chalk/strip-ansi.git>
VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com

style-to-object@0.3.0
URL: <https://github.com/remarkablemark/style-to-object>
VendorName: Mark

styled-components@5.3.3
URL: [git+https://github.com/styled-components/styled-components.git](https://github.com/styled-components/styled-components.git)
VendorName: Glen Maddern
VendorUrl: <https://styled-components.com/>

stylis@4.1.3
URL: <https://github.com/thysultan/stylis.js>
VendorName: Sultan Tarimo
VendorUrl: <https://github.com/thysultan/stylis.js>

suber@5.0.1
URL: <https://github.com/oskarhane/suber.git>
VendorName: Oskar Hane
VendorUrl: <http://oskarhane.com/>

supports-color@5.5.0
URL: <https://github.com/chalk/supports-color.git>
VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com

supports-preserve-symlinks-flag@1.0.0
URL: [git+https://github.com/inspect-js/node-supports-preserve-symlinks-flag.git](https://github.com/inspect-js/node-supports-preserve-symlinks-flag.git)
VendorName: Jordan Harband
VendorUrl: <https://github.com/inspect-js/node-supports-preserve-symlinks-flag#readme>

svg-pathdata@5.0.5
URL: <https://github.com/nfroidure/svg-pathdata.git>
VendorName: Nicolas Froidure

symbol-observable@1.0.1
URL: <https://github.com/blesh/symbol-observable.git>
VendorName: Ben Lesh

symbol-observable@1.2.0
URL: <https://github.com/blesh/symbol-observable.git>
VendorName: Ben Lesh

symbol-observable@2.0.1
URL: <https://github.com/blesh/symbol-observable.git>
VendorName: Ben Lesh

throttle-debounce@3.0.1
URL: [git+https://github.com/niksy/throttle-debounce.git](https://github.com/niksy/throttle-debounce.git)
VendorName: Ivan Nikoli
VendorUrl: <https://github.com/niksy/throttle-debounce#readme>

tinycolor2@1.4.2
URL: <https://github.com/bgrins/TinyColor.git>
VendorName: Brian Grinstead
VendorUrl: <http://briangrinstead.com>

to-fast-properties@2.0.0
URL: <https://github.com/sindresorhus/to-fast-properties.git>
VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com

toggle-selection@1.0.6
URL: [git+https://github.com/sudodoki/toggle-selection](https://github.com/sudodoki/toggle-selection)
VendorName: sudodoki
VendorUrl: sudodoki.name

tr46@0.0.3
URL: [git+https://github.com/Sebmaster/tr46.js.git](https://github.com/Sebmaster/tr46.js.git)
VendorName: Sebastian Mayr
VendorUrl: <https://github.com/Sebmaster/tr46.js#readme>

tr46@3.0.0
URL: <https://github.com/jsdom/tr46>
VendorName: Sebastian Mayr

trough@2.1.0
URL: <https://github.com/woorm/trough.git>
VendorName: Titus Wormer
VendorUrl: <https://woorm.com>

ts-invariant@0.4.4
URL: git+https://github.com/apollographql/invariant-packages.git
VendorName: Ben Newman
VendorUrl: https://github.com/apollographql/invariant-packages

unified@10.1.1
URL: https://github.com/unifiedjs/unified.git
VendorName: Titus Wormer
VendorUrl: https://unifiedjs.com/

unist-builder@3.0.0
URL: https://github.com/syntax-tree/unist-builder.git
VendorName: Eugene Sharygin

unist-util-generated@2.0.0
URL: https://github.com/syntax-tree/unist-util-generated.git
VendorName: Titus Wormer
VendorUrl: https://wooorm.com

unist-util-is@5.1.1
URL: https://github.com/syntax-tree/unist-util-is.git
VendorName: Titus Wormer
VendorUrl: https://wooorm.com

unist-util-position@4.0.1
URL: https://github.com/syntax-tree/unist-util-position.git
VendorName: Titus Wormer
VendorUrl: https://wooorm.com

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URL: https://github.com/syntax-tree/unist-util-stringify-position.git
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VendorUrl: https://wooorm.com

unist-util-visit-parents@4.1.1
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VendorName: Titus Wormer
VendorUrl: https://wooorm.com

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VendorUrl: https://wooorm.com

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URL: https://github.com/syntax-tree/unist-util-visit.git
VendorName: Titus Wormer
VendorUrl: https://wooorm.com

use-isomorphic-layout-effect@1.1.2
URL: git+https://github.com/Andarist/use-isomorphic-layout-effect.git
VendorUrl: https://github.com/Andarist/use-isomorphic-layout-effect#readme

util-deprecate@1.0.2
URL: git://github.com/TooTallNate/util-deprecate.git

VendorName: Nathan Rajlich
VendorUrl: <https://github.com/TooTallNate/util-deprecate>
uuid@3.4.0
URL: <https://github.com/uuidjs/uuid.git>
uvu@0.5.3
URL: <https://github.com/lukeed/uvu.git>
vfile-message@3.1.1
URL: <https://github.com/vfile/vfile-message.git>
VendorName: Titus Wormer
VendorUrl: <https://wooorm.com>
vfile@5.3.1
URL: <https://github.com/vfile/vfile.git>
VendorName: Titus Wormer
VendorUrl: <https://wooorm.com>
warning@4.0.3
URL: <https://github.com/BerkeleyTrue/warning.git>
VendorName: Berkeley Martinez
VendorUrl: <https://github.com/BerkeleyTrue/warning>
whatwg-fetch@2.0.4
URL: <https://github.com/github/fetch.git>
whatwg-fetch@3.6.2
URL: <https://github.com/github/fetch.git>
whatwg-url@11.0.0

URL: <https://github.com/jsdom/whatwg-url.git>
VendorName: Sebastian Mayr
whatwg-url@5.0.0
URL: <https://github.com/jsdom/whatwg-url.git>
VendorName: Sebastian Mayr
wrap-ansi@6.2.0
URL: <https://github.com/chalk/wrap-ansi.git>
VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com
xmlhttprequest@1.8.0
URL: <https://github.com/driverdan/node-XMLHttpRequest.git>
VendorName: Dan DeFelippi
VendorUrl: <http://driverdan.com>
xtend@4.0.2
URL: <https://github.com/Raynos/xtend.git>
VendorName: Raynos
VendorUrl: <https://github.com/Raynos/xtend>
yargs@15.4.1
URL: <https://github.com/yargs/yargs.git>
VendorUrl: <https://yargs.js.org/>
zen-observable@0.8.15
URL: <https://github.com/zenparsing/zen-observable.git>
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zwitch@2.0.2

URL: <https://github.com/woorm/zwitch.git>
VendorName: Titus Wormer
VendorUrl: <https://woorm.com>
MIT OR SEE LICENSE IN FEEL-FREE.md
rgbcolor@1.0.1
URL: <https://github.com/yetzt/node-rgbcolor.git>
VendorName: Sebastian Vollnhals
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fast-shallow-equal@1.0.0
URL: <https://github.com/streamich/fast-shallow-equal.git>
react-universal-interface@0.6.2
URL: <https://github.com/streamich/react-universal-interface.git>
UNKNOWN
@neo4j-devtools/word-color@0.0.7
URL: <git@github.com:neo4j/nx.git>
Unlicense
nano-css@5.3.5
URL: <https://github.com/streamich/nano-css.git>
react-use@17.4.0
URL: <https://github.com/streamich/react-use>
VendorName: @streamich
VendorUrl: <https://github.com/streamich/react-use#readme>
set-harmonic-interval@1.0.1
URL: <https://github.com/streamich/set-harmonic-interval.git>
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ts-easing@0.2.0
URL: <https://github.com/streamich/ts-easing.git>
VendorName: @streamich
VendorUrl: <https://github.com/streamich/ts-easing#readme>

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The

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6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

- a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.
- b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.
- c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.
- d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.
- e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

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The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided,

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1.388 neo4j-fabric 5.9.0

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Apache Lucene (module: core)
Apache Lucene (module: queryparser)
Apache Shiro :: Cache
Apache Shiro :: Configuration :: Core
Apache Shiro :: Configuration :: OGDL
Apache Shiro :: Core
Apache Shiro :: Cryptography :: Ciphers
Apache Shiro :: Cryptography :: Core
Apache Shiro :: Cryptography :: Hashing
Apache Shiro :: Event
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Caffeine cache
IPAddress
Java Concurrency Tools Core Library
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Jettison
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Apache Lucene (module: queryparser)
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Apache Shiro :: Configuration :: Core
Apache Shiro :: Configuration :: OGDL
Apache Shiro :: Core
Apache Shiro :: Cryptography :: Ciphers
Apache Shiro :: Cryptography :: Core
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1.390 neo4j-cypher-runtime-util 5.9.0

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1.391 akka-cluster_2.13 2.6.19

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Manifest-Version: 1.0

Automatic-Module-Name: akka.cluster

Bundle-Description: Akka is a toolkit for building highly concurrent, distributed, and resilient message-driven applications for Java and Scala.

Bundle-DocURL: <https://doc.akka.io/api/akka/2.6.19>
Bundle-License: <https://www.apache.org/licenses/LICENSE-2.0.html>;description=Apache-2.0
Bundle-ManifestVersion: 2
Bundle-Name: akka-cluster
Bundle-SymbolicName: com.typesafe.akka.cluster
Bundle-Vendor: Lightbend Inc.
Bundle-Version: 2.6.19
Export-Package: akka.cluster;uses:="akka,akka.actor,akka.cluster.sbr,akka.dispatch,akka.event,akka.remote,akka.util,com.typesafe.config,java.management,scala,scala.collection,scala.collection.immutable,scala.collection.mutable,scala.concurrent,scala.concurrent.duration,scala.math,scala.reflect,scala.runtime";version="2.6.19",akka.cluster.protobuf;uses:="akka.actor,akka.cluster,akka.cluster.protobuf.msg,akka.cluster.routing,akka.protobufv3.internal,akka.serialization,akka.util,scala,scala.collection.immutable,scala.collection.mutable,scala.reflect,scala.runtime";version="2.6.19",akka.cluster.protobuf.msg;uses:="akka.protobufv3.internal";version="2.6.19",akka.cluster.routing;uses:="akka.actor,akka.cluster,akka.routing,com.typesafe.config,scala,scala.collection,scala.collection.immutable,scala.reflect,scala.runtime";version="2.6.19",akka.cluster.sbr;uses:="akka.actor,akka.cluster,akka.coordination.lease.scaladsl,akka.dispatch,akka.event,akka.remote,com.typesafe.config,scala,scala.collection,scala.collection.immutable,scala.concurrent,scala.concurrent.duration,scala.math,scala.reflect,scala.runtime";version="2.6.19"
Implementation-Title: akka-cluster
Implementation-URL: <https://akka.io/>
Implementation-Vendor-Id: com.typesafe.akka
Implementation-Vendor: Lightbend Inc.
Implementation-Version: 2.6.19
Import-Package: akka;version="[2.6,2.7)",akka.actor;version="[2.6,2.7)",akka.cluster;version="[2.6,2.7)",akka.cluster.protobuf.msg;version="[2.6,2.7)",akka.cluster.routing;version="[2.6,2.7)",akka.cluster.sbr;version="[2.6,2.7)",akka.coordination.lease.scaladsl;version="[2.6,2.7)",akka.dispatch;version="[2.6,2.7)",akka.dispatch.sysmsg;version="[2.6,2.7)",akka.event;version="[2.6,2.7)",akka.japi;version="[2.6,2.7)",akka.pattern;version="[2.6,2.7)",akka.protobufv3.internal;version="[2.6,2.7)",akka.remote;version="[2.6,2.7)",akka.remote.artery;version="[2.6,2.7)",akka.remote.routing;version="[2.6,2.7)",akka.routing;version="[2.6,2.7)",akka.serialization;version="[2.6,2.7)",akka.util;version="[2.6,2.7)",akka.util.ccompat;version="[2.6,2.7)",com.typesafe.config;version="[1.4.0,1.5.0)",scala;version="[2.13,2.14)",scala.collection;version="[2.13,2.14)",scala.collection.convert;version="[2.13,2.14)",scala.collection.immutable;version="[2.13,2.14)",scala.collection.mutable;version="[2.13,2.14)",scala.concurrent;version="[2.13,2.14)",scala.concurrent.duration;version="[2.13,2.14)",scala.math;version="[2.13,2.14)",scala.reflect;version="[2.13,2.14)",scala.runtime;version="[2.13,2.14)",scala.runtime.java8;version="[2.13,2.14)",scala.ut

il;version="[2.13,2.14)",scala.util.control;version="[2.13,2.14)",jav
ax.management
Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version>=1.8))
"

Specification-Title: akka-cluster
Specification-Vendor: Lightbend Inc.
Specification-Version: 2.6.19
Tool: Bnd-4.0.0.201805111645

Found in path(s):

* /opt/cola/permits/1758382939_1691059086.7515578/0/akka-cluster-2-13-2-6-19-jar/META-INF/MANIFEST.MF

1.392 neo4j-java-driver 5.8.0

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1.393 neo4j-cypher-javacc-parser 5.9.0

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* /opt/cola/permits/1758383249_1691059130.715132/0/kiama-2-13-2-5-0-sources-jar/org/bitbucket/inkytonik/kiama/output/Filters.scala

* /opt/cola/permits/1758383249_1691059130.715132/0/kiama-2-13-2-5-0-sources-jar/org/bitbucket/inkytonik/kiama/util/Environments.scala

* /opt/cola/permits/1758383249_1691059130.715132/0/kiama-2-13-2-5-0-sources-jar/org/bitbucket/inkytonik/kiama/rewriting/CallbackRewriter.scala

* /opt/cola/permits/1758383249_1691059130.715132/0/kiama-2-13-2-5-0-sources-jar/org/bitbucket/inkytonik/kiama/util/Counter.scala

*

/opt/cola/permits/1758383249_1691059130.715132/0/kiama-2-13-2-5-0-sources-jar/org/bitbucket/inkytonik/kiama/util/Positions.scala

* /opt/cola/permits/1758383249_1691059130.715132/0/kiama-2-13-2-5-0-sources-jar/org/bitbucket/inkytonik/kiama/rewriting/PositionedRewriter.scala

* /opt/cola/permits/1758383249_1691059130.715132/0/kiama-2-13-2-5-0-sources-jar/org/bitbucket/inkytonik/kiama/util/Collections.scala

* /opt/cola/permits/1758383249_1691059130.715132/0/kiama-2-13-2-5-0-sources-jar/org/bitbucket/inkytonik/kiama/rewriting/NominalRewriter.scala

* /opt/cola/permits/1758383249_1691059130.715132/0/kiama-2-13-2-5-0-sources-jar/org/bitbucket/inkytonik/kiama/util/Trampolines.scala

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* /opt/cola/permits/1758383249_1691059130.715132/0/kiama-2-13-2-5-0-sources-jar/org/bitbucket/inkytonik/kiama/rewriting/Rewritable.scala

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* /opt/cola/permits/1758383249_1691059130.715132/0/kiama-2-13-2-5-0-sources-jar/org/bitbucket/inkytonik/kiama/rewriting/MemoRewriter.scala

* /opt/cola/permits/1758383249_1691059130.715132/0/kiama-2-13-2-5-0-sources-jar/org/bitbucket/inkytonik/kiama/rewriting/Rewriter.scala

* /opt/cola/permits/1758383249_1691059130.715132/0/kiama-2-13-2-5-0-sources-jar/org/bitbucket/inkytonik/kiama/attribution/ParamAttributeKey.scala

* /opt/cola/permits/1758383249_1691059130.715132/0/kiama-2-13-2-5-0-sources-jar/org/bitbucket/inkytonik/kiama/rewriting/Cloner.scala

*

/opt/cola/permits/1758383249_1691059130.715132/0/kiama-2-13-2-5-0-sources-jar/org/bitbucket/inkytonik/kiama/attribution/Attribute.scala

* /opt/cola/permits/1758383249_1691059130.715132/0/kiama-2-13-2-5-0-sources-jar/org/bitbucket/inkytonik/kiama/rewriting/PlusStrategy.scala

* /opt/cola/permits/1758383249_1691059130.715132/0/kiama-2-13-2-5-0-sources-

jar/org/bitbucket/inkytonik/kiama/util/IO.scala

* /opt/cola/permits/1758383249_1691059130.715132/0/kiama-2-13-2-5-0-sources-

jar/org/bitbucket/inkytonik/kiama/rewriting/Strategy.scala

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jar/org/bitbucket/inkytonik/kiama/util/FileNames.scala

* /opt/cola/permits/1758383249_1691059130.715132/0/kiama-2-13-2-5-0-sources-

jar/org/bitbucket/inkytonik/kiama/parsing/Input.scala

* /opt/cola/permits/1758383249_1691059130.715132/0/kiama-2-13-2-5-0-sources-

jar/org/bitbucket/inkytonik/kiama/parsing/Parsers.scala

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jar/org/bitbucket/inkytonik/kiama/util/Source.scala

* /opt/cola/permits/1758383249_1691059130.715132/0/kiama-2-13-2-5-0-sources-

jar/org/bitbucket/inkytonik/kiama/parsing/ParseResult.scala

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*/

/**

* Reusable implementation of attribution of syntax trees in a functional style

* with attribute values computed each time they are accessed.

*/

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* /opt/cola/permits/1758383249_1691059130.715132/0/kiama-2-13-2-5-0-sources-

jar/org/bitbucket/inkytonik/kiama/attribution/UncachedAttribution.scala

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*/
/**
* Kiama is a Scala library for language processing. It is a project of the
* Programming Languages Research Group at Macquarie University. For full
* project details see the web site `http://github.com/inkytonik/kiama`.
*
* Kiama's main components address tree decoration via attribute grammars
* (package `attribution`), tree transformation via strategic term rewriting
* (package `rewriting`), dynamic semantics (package `machine`) and
* pretty-printing (package `output`).
*
* The `util` package contains support modules for parsing, input/output,
* read-eval-print loops (REPLs) and pattern matching.
*
* The `examples` package (available as part of the Kiama tests) contains
* many examples of using Kiama to solve small to medium language processing
* problems.
*/
```

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```
* /opt/cola/permits/1758383249_1691059130.715132/0/kiama-2-13-2-5-0-sources-
jar/org/bitbucket/inkytonik/kiama/package.scala
```

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*/
/**
* Decorators are higher-order operations that provide common patterns of
* tree attribution based on simple attributes or functions. A `Tree` must
* be supplied to give the decorators access to the tree structure.
*/
```

Found in path(s):

```
* /opt/cola/permits/1758383249_1691059130.715132/0/kiama-2-13-2-5-0-sources-
jar/org/bitbucket/inkytonik/kiama/attribution/Decorators.scala
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* /opt/cola/permits/1758383249_1691059130.715132/0/kiama-2-13-2-5-0-sources-jar/org/bitbucket/inkytonik/kiama/util/Emitter.scala

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*/

/**

* Reusable implementation of attribution of syntax trees in a functional style

* with attribute values cached so that each value is computed at most once.

* Use an instance of this module to encapsulate related attributes.

*

* You should ensure that more than one circular

* attribute evaluation from a single module is not executing at the

* same time because the current implementation has shared state between

* related circular attributes. If your attributes are unrelated (i.e.,

* can't possibly call each other) you should base them on different

* attribution module instances and then it is safe

for attributes from

* different collections to execute in parallel.

*/

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* /opt/cola/permits/1758383249_1691059130.715132/0/kiama-2-13-2-5-0-sources-jar/org/bitbucket/inkytonik/kiama/attribution/Attribution.scala

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 */
```

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```
* /opt/cola/permits/1758383249_1691059130.715132/0/kiama-2-13-2-5-0-sources-
jar/org/bitbucket/inkytonik/kiama/util/StringOps.scala
```

1.395 neo4j-diagnostics 5.9.0

1.395.1 Available under license :

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Apache Shiro :: Configuration :: Core
Apache Shiro :: Configuration :: OGDL
Apache Shiro :: Core
Apache Shiro :: Cryptography :: Ciphers
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Apache Shiro :: Cryptography :: Hashing
Apache Shiro :: Event
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Caffeine cache
fastinfoset
IPAddress
Jackson module: Old JAXB Annotations (javax.xml.bind)
Jackson-annotations
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jackson-databind
Jackson-JAXRS: base
Jackson-JAXRS: JSON
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HK2 Implementation Utilities
Jakarta Annotations API
jakarta.ws.rs-api
javax.inject:1 as OSGi bundle
jersey-container-servlet
jersey-container-servlet-core
jersey-core-client
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jersey-core-server
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HK2 Implementation Utilities
Jakarta Annotations API
jakarta.ws.rs-api
Java Servlet

API

javax.inject:1 as OSGi bundle

jersey-container-servlet

jersey-container-servlet-core

jersey-core-client

jersey-core-common

jersey-core-server

jersey-inject-hk2

ServiceLocator Default Implementation

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fastinfoset
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javax.inject:1 as OSGi bundle
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jersey-container-servlet-core
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Apache Lucene (module: backward-codecs)
Apache Lucene (module: common)
Apache Lucene (module: core)
Apache Lucene (module: queryparser)
Caffeine cache
IPAddress
Java Concurrency Tools Core Library
Java Native Access
Jettison
LZ4 and xxHash
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Apache Log4j Core
Apache Log4j Layout for JSON template
Apache Lucene (module: backward-codecs)
Apache Lucene (module: common)
Apache Lucene (module: core)
Apache Lucene (module: queryparser)
Apache Shiro :: Cache
Apache Shiro :: Configuration :: Core
Apache Shiro :: Configuration :: OGDL
Apache Shiro :: Core
Apache Shiro :: Cryptography :: Ciphers
Apache Shiro :: Cryptography :: Core
Apache Shiro :: Cryptography :: Hashing
Apache Shiro :: Event
Apache Shiro :: Lang

Caffeine cache
fastinfoset
IPAddress
Jackson module: Old JAXB Annotations (javax.xml.bind)
Jackson-annotations
Jackson-core
jackson-databind
Jackson-JAXRS: base
Jackson-JAXRS: JSON
Jakarta Bean Validation API
Java Concurrency Tools Core Library
Java Native Access
Javassist
jersey-container-servlet
jersey-container-servlet-core
jersey-core-client
jersey-core-common
jersey-core-server
jersey-inject-hk2
Jettison
Jetty :: Http Utility
Jetty :: IO Utility
Jetty :: Security
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Jetty :: Servlet Handling
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jProcesses
LZ4 and xxHash
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Netty/Buffer
Netty/Codec
Netty/Codec/HTTP
Netty/Common
Netty/Handler
Netty/Resolver
Netty/Transport
Netty/Transport/Classes/Epoll
Netty/Transport/Classes/KQueue
Netty/Transport/Native/Epoll
Netty/Transport/Native/KQueue
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HK2 API module
HK2 Implementation Utilities
Jakarta Annotations API
jakarta.ws.rs-api
javax.inject:1 as OSGi bundle
jersey-container-servlet
jersey-container-servlet-core
jersey-core-client
jersey-core-common
jersey-core-server
jersey-inject-hk2
ServiceLocator Default Implementation

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fastinfoset

istack common utility code runtime

Jakarta Activation API jar

jakarta.xml.bind-api

JAXB Runtime

jersey-container-servlet

jersey-container-servlet-core

jersey-core-client

jersey-inject-hk2

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Apache Log4j Core

Apache Log4j Layout for JSON template

Apache Lucene (module: backward-codecs)

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Jackson-annotations
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Jackson-JAXRS: base
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Jakarta Bean Validation API
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Eclipse Collections Main Library

Extended StAX API

fastinfoset

istack common utility code runtime

Jakarta Activation API jar

jakarta.xml.bind-api

JAXB Runtime

jersey-container-servlet

jersey-container-servlet-core

jersey-core-client

jersey-inject-hk2

TXW2 Runtime

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javax.inject:1 as OSGi bundle
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jersey-core-client
jersey-core-common
jersey-core-server
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Jakarta Annotations API
jakarta.ws.rs-api
Java Servlet API
javax.inject:1 as OSGi bundle
jersey-container-servlet
jersey-container-servlet-core
jersey-core-client
jersey-core-common
jersey-core-server

The
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Apache Commons Math
Apache Commons Text
Apache Log4j API
Apache Log4j Core
Apache Log4j Layout for JSON template
Apache Lucene (module: backward-codecs)
Apache Lucene (module: common)
Apache Lucene (module: core)
Apache Lucene (module: queryparser)
Apache Shiro :: Cache
Apache Shiro :: Configuration :: Core
Apache Shiro :: Configuration :: OGDL
Apache Shiro :: Core
Apache Shiro :: Cryptography :: Ciphers
Apache Shiro :: Cryptography :: Core
Apache Shiro :: Cryptography :: Hashing
Apache Shiro :: Event
Apache Shiro :: Lang

Caffeine cache
fastinfoset

IPAddress
Jackson module: Old JAXB Annotations (javax.xml.bind)
Jackson-annotations
Jackson-core
jackson-databind
Jackson-JAXRS: base
Jackson-JAXRS: JSON
Jakarta Bean Validation API
Java Concurrency Tools Core Library
Java Native Access
Javassist
jersey-container-servlet
jersey-container-servlet-core
jersey-core-client
jersey-core-common
jersey-core-server
jersey-inject-hk2
Jettison
Jetty :: Http Utility
Jetty :: IO Utility
Jetty :: Security
Jetty :: Server Core
Jetty :: Servlet Handling
Jetty :: Utilities
Jetty :: Webapp Application Support
Jetty :: XML utilities
jPowerShell
jProcesses
LZ4 and xxHash
magnolia
mercator
Netty/Buffer
Netty/Codec
Netty/Codec/HTTP
Netty/Common
Netty/Handler
Netty/Resolver
Netty/Transport
Netty/Transport/Classes/Epoll
Netty/Transport/Classes/KQueue
Netty/Transport/Native/Epoll
Netty/Transport/Native/KQueue
Netty/Transport/Native/Unix/Common
Non-Blocking
Reactive Foundation for the JVM
openCypher TCK API
openCypher TCK Features and Graphs
org.apiguardian:apiguardian-api

org.opentest4j:opentest4j
picocli
Scala Reflect
scala-collection-compat
scala-collection-contrib
WMI4Java

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javax.inject:1 as OSGi bundle
jersey-container-servlet
 jersey-container-servlet-core
jersey-core-client
jersey-core-common
jersey-core-server
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jersey-container-servlet-core
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jersey-inject-hk2
SLF4J API Module
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css-color-keywords
fs.realpath
fstream
fstream-ignore
gauge
glob
graceful-fs
har-schema
har-validator
has-unicode
inflight
inherits
ini
json-stringify-safe
minimatch
nopt
npmlog
once
osenv
rimraf
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base64-js

bootstrap

brace-expansion

buffer

camelcase

canvg

chai

check-error

classnames

co

code-point-at

codemirror

colour

combined-stream

concat-map

core-js

core-util-is

css-to-react-native

dashdash

debug

decamelize

deep-eql

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encoding

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Font Awesome CSS
form-data
fuzzaldrin
get-func-name
getpass
has-flag
http-parser-js
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iconv-lite
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is-fullwidth-code-point
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is-stream
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isarray
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optjs
os-homedir
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path-is-absolute
pathval
performance-now

postcss-value-parser
process-nextick-args
promise
promise-polyfill
prop-types
punycode
querystringify
rc
react
react-addons-pure-render-mixin
react-dom
react-dropzone
react-icon-base
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Cucumber Tag Expressions

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Apache Shiro :: Cache
Apache Shiro :: Configuration :: Core
Apache Shiro :: Configuration :: OGDL
Apache Shiro :: Core
Apache Shiro :: Cryptography :: Ciphers
Apache Shiro :: Cryptography :: Core
Apache Shiro :: Cryptography :: Hashing
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Apache Shiro :: Lang
Caffeine cache
IPAddress
Java Concurrency Tools Core Library
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```
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```

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Netty/Codec
Netty/Codec/HTTP
Netty/Common
Netty/Handler
Netty/Resolver
Netty/Transport
Netty/Transport/Classes/Epoll
Netty/Transport/Classes/KQueue
Netty/Transport/Native/Epoll
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jersey-inject-hk2
ServiceLocator Default Implementation

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whatwg-fetch
window-size
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Apache Shiro :: Cache
Apache Shiro :: Configuration :: Core
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Apache Shiro :: Cryptography :: Ciphers
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Apache Shiro :: Cryptography :: Hashing
Apache Shiro :: Event
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fastinfoset
IPAddress
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Jackson-annotations
Jackson-core
jackson-databind
Jackson-JAXRS: base

Jackson-JAXRS: JSON
Jakarta Bean Validation API
Java Concurrency Tools Core Library
Java Native Access
Javassist
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co.helmethair:scalatest-junit-runner

Cucumber Expressions

Cucumber Tag Expressions

Cucumber-JVM: Core

Cucumber-JVM: Docstring

Cucumber-JVM: Gherkin

Cucumber-JVM: Gherkin Vintage

Cucumber-JVM: Plugin

DataTable

fastparse_2.13

geny_2.13

mockito-core

sourcecode_2.13

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Apache Log4j API

Apache Log4j Core

Apache Log4j Layout for JSON template

Apache Lucene (module: backward-codecs)

Apache Lucene (module: common)

Apache Lucene (module: core)

Apache Lucene (module: queryparser)

Apache Shiro :: Cache

Apache Shiro :: Configuration :: Core

Apache Shiro :: Configuration :: OGDL

Apache Shiro :: Core

Apache Shiro :: Cryptography :: Ciphers

Apache Shiro :: Cryptography :: Core

Apache Shiro :: Cryptography :: Hashing

Apache Shiro :: Event

Apache Shiro :: Lang

Caffeine cache

fastinfoset

IPAddress

Jackson module: Old JAXB Annotations (javax.xml.bind)

Jackson-annotations

Jackson-core
jackson-databind
Jackson-JAXRS: base
Jackson-JAXRS: JSON
Jakarta Bean Validation API
Java Concurrency Tools Core Library
Java Native Access
Javassist
jersey-container-servlet
jersey-container-servlet-core
jersey-core-client
jersey-core-common
jersey-core-server
jersey-inject-hk2
Jettison
Jetty :: Http Utility
Jetty :: IO Utility
Jetty :: Security
Jetty :: Server Core
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Netty/Codec
Netty/Codec/HTTP
Netty/Common
Netty/Handler
Netty/Resolver
Netty/Transport
Netty/Transport/Classes/Epoll
Netty/Transport/Classes/KQueue
Netty/Transport/Native/Epoll
Netty/Transport/Native/KQueue
Netty/Transport/Native/Unix/Common
Non-Blocking Reactive Foundation for the JVM
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Eclipse Collections Main Library

Extended StAX API

fastinfoset

istack common utility code runtime

Jakarta Activation API jar

jakarta.xml.bind-api

JAXB Runtime

jersey-container-servlet

jersey-container-servlet-core

jersey-core-client

jersey-inject-hk2

TXW2 Runtime

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Apache Lucene (module: backward-codecs)
Apache Lucene (module: common)
Apache Lucene (module: core)
Apache Lucene (module: queryparser)
Apache Shiro :: Cache
Apache Shiro :: Configuration :: Core
Apache Shiro :: Configuration :: OGDL
Apache Shiro :: Core
Apache Shiro :: Cryptography :: Ciphers
Apache Shiro :: Cryptography :: Core
Apache Shiro :: Cryptography :: Hashing
Apache Shiro :: Event
Apache Shiro :: Lang

AssertJ Core
Byte Buddy (without dependencies)
Byte Buddy agent
Caffeine cache
fastinfoset
IPAddress
Jackson module: Old JAXB Annotations (javax.xml.bind)
Jackson-annotations
Jackson-core
jackson-databind
Jackson-JAXRS: base
Jackson-JAXRS: JSON
Jakarta Bean Validation API
Java Concurrency Tools Core Library
Java Native Access
Javassist
jersey-container-servlet
jersey-container-servlet-core
jersey-core-client
jersey-core-common
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Netty/Handler
Netty/Resolver
Netty/Transport
Netty/Transport/Classes/Epoll
Netty/Transport/Classes/KQueue
Netty/Transport/Native/Epoll

Netty/Transport/Native/KQueue
Netty/Transport/Native/Unix/Common
Non-Blocking Reactive Foundation for the JVM
org.apiguardian:apiguardian-api
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ServiceLocator Default Implementation

The

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Apache Log4j API

Apache Log4j Core

Apache Log4j Layout for JSON template

Apache Lucene (module: backward-codecs)

Apache Lucene (module: common)

Apache Lucene (module: core)

Apache Lucene (module: queryparser)

Apache Shiro :: Cache

Apache Shiro :: Configuration :: Core

Apache Shiro :: Configuration :: OGDL

Apache Shiro :: Core

Apache Shiro :: Cryptography :: Ciphers

Apache Shiro :: Cryptography :: Core

Apache Shiro :: Cryptography :: Hashing

Apache Shiro :: Event

Apache Shiro :: Lang

Caffeine cache

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IPAddress

Jackson module: Old JAXB Annotations (javax.xml.bind)

Jackson-annotations

Jackson-core

jackson-databind

Jackson-JAXRS: base

Jackson-JAXRS: JSON

Jakarta Bean Validation API
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HK2 Implementation Utilities
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javax.inject:1 as OSGi bundle
jersey-container-servlet
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jseward@bzip.org

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1.402 gopkg-in-yaml-v2 2.4.0

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1.403 protobuf 1.31.0

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1.404 go-uber-org-multierr 1.6.0

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1.405 error_prone_annotations 2.21.1

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* /opt/cola/permits/1766374188_1692026535.1664488/0/error-prone-annotations-2-21-1-sources-jar/com/google/errorprone/annotations/concurrent/UnlockMethod.java

*

/opt/cola/permits/1766374188_1692026535.1664488/0/error-prone-annotations-2-21-1-sources-jar/com/google/errorprone/annotations/concurrent/LockMethod.java

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* /opt/cola/permits/1766374188_1692026535.1664488/0/error-prone-annotations-2-21-1-sources-jar/META-INF/maven/com.google.errorprone/error_prone_annotations/pom.xml

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* /opt/cola/permits/1766374188_1692026535.1664488/0/error-prone-annotations-2-21-1-sources-jar/com/google/errorprone/annotations/CheckReturnValue.java

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/opt/cola/permits/1766374188_1692026535.1664488/0/error-prone-annotations-2-21-1-sources-jar/com/google/errorprone/annotations/OverridingMethodsMustInvokeSuper.java

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* /opt/cola/permits/1766374188_1692026535.1664488/0/error-prone-annotations-2-21-1-sources-jar/com/google/errorprone/annotations/FormatMethod.java

* /opt/cola/permits/1766374188_1692026535.1664488/0/error-prone-annotations-2-21-1-sources-jar/com/google/errorprone/annotations/RestrictedApi.java

*

/opt/cola/permits/1766374188_1692026535.1664488/0/error-prone-annotations-2-21-1-sources-jar/com/google/errorprone/annotations/MustBeClosed.java

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* /opt/cola/permits/1766374188_1692026535.1664488/0/error-prone-annotations-2-21-1-sources-jar/com/google/errorprone/annotations/Modifier.java

* /opt/cola/permits/1766374188_1692026535.1664488/0/error-prone-annotations-2-21-1-sources-jar/com/google/errorprone/annotations/Keep.java

*

*/opt/cola/permits/1766374188_1692026535.1664488/0/error-prone-annotations-2-21-1-sources-jar/com/google/errorprone/annotations/InlineMeValidationDisabled.java

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* /opt/cola/permits/1766374188_1692026535.1664488/0/error-prone-annotations-2-21-1-sources-jar/com/google/errorprone/annotations/RequiredModifiers.java
* /opt/cola/permits/1766374188_1692026535.1664488/0/error-prone-annotations-2-21-1-sources-jar/com/google/errorprone/annotations/CompileTimeConstant.java
*
* /opt/cola/permits/1766374188_1692026535.1664488/0/error-prone-annotations-2-21-1-sources-jar/com/google/errorprone/annotations/IncompatibleModifiers.java
* /opt/cola/permits/1766374188_1692026535.1664488/0/error-prone-annotations-2-21-1-sources-jar/com/google/errorprone/annotations/CanIgnoreReturnValue.java
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1.406 genproto-googleapis-rpc 0.0.0-20230822172742-b8732ec3820d

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1.410 procps 4.0.4-r0

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```
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```

```
<signature of Ty Coon>, 1 April 1989
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1.411 python-setuptools 68.2.2

1.411.1 Available under license :

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 |
| 2.1.2 | 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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Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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```
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=====

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1.415 libcrypto3 3.1.3-r0

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```
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```

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

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"copyright" line and a pointer to where the full notice is found.

```
<one line to give the program's name and a brief idea of what it does.>  
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```

```
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```

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```

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

```
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This is free software, and you are welcome to redistribute it  
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```

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commands you use may be called something other than `show w' and `show
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necessary. Here a sample; alter
the names:

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<signature of Ty Coon>, 1 April 1989
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Appendix: How to Apply These Terms to Your New Programs

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To do so,
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```
<one line to give the program's name and a brief idea of what it does.>  
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```

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

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

```
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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
This is free software, and you are welcome to redistribute it  
under certain conditions; type `show c' for details.
```

The hypothetical commands ``show w'` and ``show c'` should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than ``show w'` and ``show c'`; they could even be mouse-clicks or menu items--whatever suits your program.

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

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

That's all there is to it!

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1.418 bouncycastle-fips 1.0.2.4

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```

1.419 apoc-core 5.9.0

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```

Found in path(s):

```
* /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-
jar/apoc/export/json/JsonImporter.java
* /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-
jar/apoc/index/QueuePoisoningCollector.java
* /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-
jar/apoc/export/csv/ImportCsv.java
*
```

/opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/trigger/Trigger.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/number/ArabicRoman.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/path/RelationshipSequenceExpander.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/export/arrow/ExportArrowService.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/export/arrow/ExportGraphStrategy.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/export/arrow/ExportGraphStreamStrategy.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/load/LoadArrow.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/export/graphml/XMLGraphMLReader.java
 *
 /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/export/arrow/ExportResultStrategy.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/export/json/ImportJsonConfig.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/load/LoadJson.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/export/arrow/ExportArrow.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/export/graphml/ExportGraphML.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/refactor/RelationshipRefactorResult.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/trigger/TriggerHandler.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/help/Help.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/trigger/TriggerInfo.java
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 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/nodes/Nodes.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/export/arrow/ExportArrowStreamStrategy.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/map/Maps.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/math/Maths.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/version/Version.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/path/PathExplorer.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/export/arrow/ExportResultFileStrategy.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/agg/CollAggregation.java
 *
 /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/export/arrow/ExportArrowFileStrategy.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/spatial/Distance.java

* /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/number/Numbers.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/agg/Product.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/diff/Diff.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/ hashing/Fingerprinting.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/export/arrow/ArrowUtils.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/math/Regression.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/temporal/TemporalProcedures.java
 *
 /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/help/HelpResult.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/path/Paths.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/trigger/TriggerMetadata.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/agg/Graph.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/meta/Meta.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/spatial/Geocode.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/trigger/TriggerHandlerNewProcedures.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/refactor/NodeRefactorResult.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/export/arrow/ExportGraphFileStrategy.java
 *
 /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/text/Phonetic.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/refactor/rename/Rename.java
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 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/atomic/util/AtomicUtils.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/periodic/Periodic.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/warmup/Warmup.java
 *
 /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/load/Xml.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/create/Create.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/bitwise/BitwiseOperations.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/path/LabelMatcherGroup.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/cypher/Cypher.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/coll/Coll.java

* /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/export/graphml/XmlNodeExport.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/export/graphml/XmlGraphMLWriter.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/stats/DegreeDistribution.java
 *
 /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/export/csv/CsvLoaderConstants.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/export/arrow/ExportResultStreamStrategy.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/convert/ConvertConfig.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/refactor/util/RefactorConfig.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/log/Neo4jLogStream.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/refactor/GraphRefactoring.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/convert/Json.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/agg/Median.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/schema/SchemaConfig.java
 *
 /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/convert/Convert.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/date/Date.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/CoreApocGlobalComponents.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/refactor/util/RefactorUtil.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/search/ParallelNodeSearch.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/export/csv/CsvEntityLoader.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/export/csv/CsvLoaderConfig.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/export/cypher/ExportCypher.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/algo/Cover.java
 *
 /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/cypher/Timeboxed.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/merge/Merge.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/export/json/ImportJson.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/lock/Lock.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/agg/Statistics.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/index/SchemaIndex.java
 * /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-

```

jar/apoc/export/json/ExportJson.java
* /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-
jar/apoc/cypher/CypherFunctions.java
* /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/atomic/Atomic.java
*
/opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-
jar/apoc/cypher/CypherInitializer.java
* /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/path/LabelMatcher.java
* /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/agg/Percentiles.java
* /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/scoring/Scoring.java
* /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/schema/Schemas.java
* /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-
jar/apoc/path/NodeEvaluators.java
* /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-
jar/apoc/trigger/TriggerNewProcedures.java
* /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/label/Label.java
* /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/text/Strings.java
*
/opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/example/Examples.java
* /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-
jar/apoc/export/cypher/MultiStatementCypherSubGraphExporter.java
* /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-
jar/apoc/text/SorensenDiceCoefficient.java
* /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-
jar/apoc/export/csv/ExportCSV.java
* /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-
jar/apoc/data/url/ExtractURL.java
* /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/nodes/Grouping.java
* /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-
jar/apoc/export/csv/CsvPropertyConverter.java
* /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-
jar/apoc/path/LabelSequenceEvaluator.java
* /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-
jar/apoc/export/csv/CsvFormat.java
*
/opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-
jar/apoc/export/arrow/ArrowConfig.java
* /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/algo/PathFinding.java
* /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-
jar/apoc/load/SkipWhitespaceInputStream.java
* /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/nodes/NodesConfig.java
* /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/stats/DegreeUtil.java
* /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-
jar/apoc/export/json/JsonFormatSerializer.java
* /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-
jar/apoc/agg/MaxAndMinItems.java
* /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-
jar/apoc/hashing/FingerprintingConfig.java

```

```
* /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-  
jar/apoc/refactor/util/PropertiesManager.java  
*  
/opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/graph/Graphs.java  
* /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-  
jar/apoc/export/csv/CsvHeaderField.java  
* /opt/cola/permits/1811281742_1696089182.6638973/0/apoc-core-5-9-0-sources-jar/apoc/util/Utils.java
```

1.420 python3-pycache-pyc0 3.11.6-r0

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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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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.

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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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| 1.3 thru 1.5.2 | 1.2 | 1995-1999 | CNRI | yes |
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| 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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1.423 java™-native-access 5

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The binary file of the original library has been modified by Atlassian in such way that classes have changed their package 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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No source code of the original library was modified.

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The primary ANTLR guy:

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

onoMnApeShTpQtDJbcUgJTIFONPQeUndIgfQWWNNddIwBl
mi2Kp5RjfhIJdGCSO<bOTNof2KNxm9KCi5lxEyKI9BJW3p
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File: Core.js

Description:

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

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Maven Ant Tasks

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1.424 simple-launcher 1.1.0.14

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1.425

google.golang.org/genproto/googleapis/rpc

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1.426 python 3.11.6-r0

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1.427 musl 1.2.4-r2

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Ada Worcester
Alex Dowad
Alex Suykov
Alexander Monakov
Andre McCurdy
Andrew Kelley
Anthony G. Basile
Aric Belsito
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Bartosz Brachaczek
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1.428 busybox 1.36.1-r4

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1.429 ssl-client 1.36.1-r4

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1.430 libc6-compat 1.2.4-r2

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Ada Worcester
Alex Dowad
Alex Suykov
Alexander Monakov
Andre McCurdy
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1.431 libcurl 8.4.0-r0

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1.432 golang 1.21.3

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1.433 x-sys 0.13.0

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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

* javax.servlet:javax.servlet-api

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

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

- * java.sun.security.ssl

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

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

OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of <http://asm.ow2.org/license.html>

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

Apache

The following artifacts are ASL2 licensed.

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

MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

- org.mortbay.jasper:apache-jsp
- org.apache.tomcat:tomcat-jasper
- org.apache.tomcat:tomcat-juli

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

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

Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville. Permission to use, copy, modify and distribute UnixCrypt for non-commercial or commercial purposes and without fee is granted provided that the copyright notice appears in all copies.

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AUTHORS File Information

Main Author

Marti Maria

Contributors

Bob Friesenhahn

Kai-Uwe Behrmann

Stuart Nixon

Jordi Vilar

Richard Hughes

Auke Nauta

Chris Evans (Google)

Lorenzo Ridolfi

Robin Watts (Artifex)

Shawn Pedersen

Andrew Brygin

Samuli

Suominen
Florian Hch
Aurelien Jarno
Claudiu Cebuc
Michael Vhrel (Artifex)
Michal Cihar
Daniel Kaneider
Mateusz Jurczyk (Google)
Paul Miller
Sbastien Lon
Christian Schmitz
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Stanislav Brabec (SuSe)
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Christopher James Halse Rogers
John Hein
Thomas Weber (Debian)
Mark Allen
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xwd v1.0.7

xwd utility

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## The Unicode Standard, Unicode Character Database, Version 13.0.0
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Behdad Esfahbod
David Corbett
David Turner
Ebrahim Byagowi
Garret Rieger
Jonathan Kew
Khaled Hosny
Lars Knoll
Martin Hosken
Owen Taylor
Roderick Sheeter
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jopt-simple v5.0.4

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org.apache.sshd 2.9.2

org.apache.felix.gogo.runtime 1.1.6

org.apache.felix.gogo.jline 1.1.8

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Ext headers GL/glext.h Khronos
 GL/glxt.h Khronos
 GL/wglext.h Khronos
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include/GL/gl.h :

Mesa 3-D
graphics library

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include/GL/wglext.h :

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AUTHORS File Information

Main Author

Marti Maria

Contributors

Bob Friesenhahn

Kai-Uwe Behrmann

Stuart Nixon

Jordi Vilar

Richard Hughes

Auke Nauta

Chris Evans (Google)

Lorenzo Ridolfi

Robin Watts (Artifex)

Shawn Pedersen

Andrew Brygin

Samuli

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Florian Hch
Aurelien Jarno
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xwd v1.0.7

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Behdad Esfahbod
David Corbett
David Turner
Ebrahim Byagowi
Garret Rieger
Jonathan Kew
Khaled Hosny
Lars Knoll
Martin Hosken
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jopt-simple v5.0.4

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CUP Parser Generator for Java v 0.11b

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## Mesa 3-D Graphics Library v21.0.3
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Component	Location	License
Main Mesa code	src/ mesa/	MIT
Device drivers	src/ mesa/ drivers/ *	MIT, generally
Gallium code	src/ gallium/	MIT

Ext headers GL/glext.h Khronos
 GL/glxt.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/glxt.h
include/GL/wglext.h :

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* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/compression/DeflateOptions.java

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/opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/compression/ZstdOptions.java

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jar/io/netty/handler/codec/CharSequenceValueConverter.java
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jar/io/netty/handler/codec/DefaultHeadersImpl.java
*
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*
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* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/CodecOutputList.java

* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/DateFormatter.java

* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/DatagramPacketEncoder.java

* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/DatagramPacketDecoder.java

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Found in path(s):

* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/compression/Lz4XXHash32.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
* Base64 notation.
* <p>
* The encoding and decoding algorithm in this class has been derived from
* Robert Harder's Public Domain
* Base64 Encoder/Decoder</a>.
*/

```

Found in path(s):

```

* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-
jar/io/netty/handler/codec/base64/Base64.java

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```

* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-
jar/io/netty/handler/codec/compression/Bzip2Decoder.java

```

* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/json/package-info.java
*
/opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/compression/Bzip2BlockDecompressor.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/compression/Bzip2MoveToFrontTable.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/compression/Bzip2HuffmanStageDecoder.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/compression/Bzip2BitReader.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/compression/FastLzFrameEncoder.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/compression/LzfDecoder.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/compression/SnappyFramedDecoder.java
*
/opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/DecoderResultProvider.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/compression/Bzip2MTFAndRLE2StageEncoder.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/compression/Bzip2Rand.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/compression/Lz4Constants.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/compression/Bzip2DivSufSort.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/compression/Crc32.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/AsciiHeadersEncoder.java
*
/opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/compression/LzmaFrameEncoder.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/compression/LzfEncoder.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/compression/SnappyFramedEncoder.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/json/JsonObjectDecoder.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/compression/Bzip2Constants.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/MessageAggregationException.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/compression/Bzip2BitWriter.java
*

/opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/compression/Bzip2Encoder.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/compression/Lz4FrameDecoder.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/compression/FastLzFrameDecoder.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/compression/Bzip2HuffmanStageEncoder.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/compression/FastLz.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/compression/Bzip2BlockCompressor.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/compression/Bzip2HuffmanAllocator.java
*
/opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/compression/Lz4FrameEncoder.java
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Found in path(s):
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/META-INF/maven/io.netty/netty-codec/pom.xml
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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):

```

* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-
jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java

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* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/compression/EncoderUtil.java

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* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/EmptyHeaders.java

* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/Headers.java

* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/DefaultHeaders.java

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* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/LineBasedFrameDecoder.java

* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/DecoderException.java

*

/opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/PrematureChannelClosureException.java

* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/ReplayingDecoderByteBuf.java

* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/marshalling/ThreadLocalMarshallerProvider.java

* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/bytes/ByteArrayEncoder.java

* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/marshalling/MarshallingEncoder.java

* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/marshalling/MarshallingDecoder.java

* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/EncoderException.java

*

/opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/MessageToMessageEncoder.java

* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/FixedLengthFrameDecoder.java

* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/serialization/ObjectEncoder.java

* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/compression/package-info.java

* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/serialization/ObjectEncoderOutputStream.java

* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/compression/SnappyFrameDecoder.java

* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/serialization/ObjectDecoderInputStream.java

*

/opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/serialization/ClassLoaderClassResolver.java

* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/compression/Snappy.java

* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/string/package-info.java

* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/compression/ZlibUtil.java

* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-

jar/io/netty/handler/codec/compression/JZlibEncoder.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-
jar/io/netty/handler/codec/marshalling/DefaultMarshallerProvider.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-
jar/io/netty/handler/codec/bytes/package-info.java
*
/opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-
jar/io/netty/handler/codec/xml/package-info.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-
jar/io/netty/handler/codec/ReplayingDecoder.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-
jar/io/netty/handler/codec/CodecException.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-
jar/io/netty/handler/codec/serialization/ObjectDecoder.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-
jar/io/netty/handler/codec/MessageToByteEncoder.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-
jar/io/netty/handler/codec/LengthFieldPrepender.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-
jar/io/netty/handler/codec/string/StringEncoder.java
*
/opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-
jar/io/netty/handler/codec/base64/package-info.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-
jar/io/netty/handler/codec/compression/ZlibEncoder.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-
jar/io/netty/handler/codec/serialization/CompactObjectOutputStream.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-
jar/io/netty/handler/codec/serialization/ReferenceMap.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-
jar/io/netty/handler/codec/UnsupportedMessageTypeException.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-
jar/io/netty/handler/codec/serialization/ClassResolver.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-
jar/io/netty/handler/codec/string/StringDecoder.java
*
/opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-
jar/io/netty/handler/codec/serialization/SoftReferenceMap.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-
jar/io/netty/handler/codec/compression/SnappyFrameEncoder.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-
jar/io/netty/handler/codec/compression/JZlibDecoder.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-
jar/io/netty/handler/codec/marshalling/CompatibleMarshallingEncoder.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-
jar/io/netty/handler/codec/Delimiters.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-
jar/io/netty/handler/codec/serialization/CompactObjectInputStream.java

* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/TooLongFrameException.java
*
/opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/marshalling/LimitingByteInput.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/package-info.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/serialization/ClassResolvers.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/serialization/WeakReferenceMap.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/ByteToMessageDecoder.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/marshalling/ContextBoundUnmarshallerProvider.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/serialization/package-info.java
*
/opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/compression/CompressionException.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/marshalling/ChannelBufferByteInput.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/marshalling/UnmarshallerProvider.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/bytes/ByteArrayDecoder.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/MessageToMessageDecoder.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/MessageToMessageCodec.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/marshalling/ThreadLocalUnmarshallerProvider.java
*
/opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/compression/ZlibDecoder.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/DelimiterBasedFrameDecoder.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/serialization/CompatibleObjectEncoder.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/compression/ZlibCodecFactory.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/marshalling/UnmarshallerProvider.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/MessageAggregator.java
*
/opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/CorruptedFrameException.java

* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/marshalling/CompatibleMarshallingDecoder.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/compression/DecompressionException.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/protobuf/package-info.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/serialization/CachingClassResolver.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/DecoderResult.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/compression/JdkZlibEncoder.java
*

/opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/compression/ZlibWrapper.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/base64/Base64Encoder.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/marshalling/package-info.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/ByteToMessageCodec.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/base64/Base64Decoder.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/marshalling/DefaultUnmarshallerProvider.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/marshalling/ChannelBufferByteOutput.java
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* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-jar/io/netty/handler/codec/UnsupportedValueConverter.java

```

* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-
jar/io/netty/handler/codec/protobuf/ProtobufEncoderNano.java
*
/opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-
jar/io/netty/handler/codec/protobuf/ProtobufEncoder.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-
jar/io/netty/handler/codec/protobuf/ProtobufVarint32LengthFieldPrepender.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-
jar/io/netty/handler/codec/protobuf/ProtobufVarint32FrameDecoder.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-
jar/io/netty/handler/codec/protobuf/ProtobufDecoderNano.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-
jar/io/netty/handler/codec/ProtocolDetectionState.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-
jar/io/netty/handler/codec/ProtocolDetectionResult.java
* /opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-
jar/io/netty/handler/codec/HeadersUtils.java
*
/opt/cola/permits/1820904464_1697192357.6491582/0/netty-codec-4-1-100-final-sources-
jar/io/netty/handler/codec/protobuf/ProtobufDecoder.java

```

1.441 netty-resolver 4.1.100.Final

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* /opt/cola/permits/1820904471_1697192352.9256797/0/netty-resolver-4-1-100-final-sources-
jar/io/netty/resolver/ResolvedAddressTypes.java
* /opt/cola/permits/1820904471_1697192352.9256797/0/netty-resolver-4-1-100-final-sources-
jar/io/netty/resolver/HostsFileEntries.java

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jar/io/netty/resolver/InetAddressResolver.java
* /opt/cola/permits/1820904471_1697192352.9256797/0/netty-resolver-4-1-100-final-sources-
jar/io/netty/resolver/DefaultHostsFileEntriesResolver.java
*
/opt/cola/permits/1820904471_1697192352.9256797/0/netty-resolver-4-1-100-final-sources-
jar/io/netty/resolver/AddressResolver.java
* /opt/cola/permits/1820904471_1697192352.9256797/0/netty-resolver-4-1-100-final-sources-
jar/io/netty/resolver/CompositeNameResolver.java
* /opt/cola/permits/1820904471_1697192352.9256797/0/netty-resolver-4-1-100-final-sources-
jar/io/netty/resolver/DefaultNameResolver.java
* /opt/cola/permits/1820904471_1697192352.9256797/0/netty-resolver-4-1-100-final-sources-
jar/io/netty/resolver/InetSocketAddressResolver.java
* /opt/cola/permits/1820904471_1697192352.9256797/0/netty-resolver-4-1-100-final-sources-
jar/io/netty/resolver/DefaultAddressResolverGroup.java
* /opt/cola/permits/1820904471_1697192352.9256797/0/netty-resolver-4-1-100-final-sources-
jar/io/netty/resolver/HostsFileEntriesResolver.java
* /opt/cola/permits/1820904471_1697192352.9256797/0/netty-resolver-4-1-100-final-sources-
jar/io/netty/resolver/AbstractAddressResolver.java
* /opt/cola/permits/1820904471_1697192352.9256797/0/netty-resolver-4-1-100-final-sources-
jar/io/netty/resolver/HostsFileParser.java
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* /opt/cola/permits/1820904471_1697192352.9256797/0/netty-resolver-4-1-100-final-sources-jar/io.netty/resolver/RoundRobinInetAddressResolver.java

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* /opt/cola/permits/1820904471_1697192352.9256797/0/netty-resolver-4-1-100-final-sources-jar/io/netty/resolver/SimpleNameResolver.java
* /opt/cola/permits/1820904471_1697192352.9256797/0/netty-resolver-4-1-100-final-sources-jar/io/netty/resolver/package-info.java
*

/opt/cola/permits/1820904471_1697192352.9256797/0/netty-resolver-4-1-100-final-sources-jar/io/netty/resolver/NoopAddressResolverGroup.java
* /opt/cola/permits/1820904471_1697192352.9256797/0/netty-resolver-4-1-100-final-sources-jar/io/netty/resolver/AddressResolverGroup.java
* /opt/cola/permits/1820904471_1697192352.9256797/0/netty-resolver-4-1-100-final-sources-jar/io/netty/resolver/NoopAddressResolver.java

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1.442 netty 4.1.100.Final

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 * /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/PriorityQueue.java
 * /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/LongAdderCounter.java
 *
 /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/NettyRuntime.java
 * /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/logging/LocationAwareSlf4JLogger.java
 * /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/SuppressForbidden.java
 * /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/ObjectCleaner.java
 * /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/UncheckedBooleanSupplier.java
 * /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/EmptyPriorityQueue.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>
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  <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>
```

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<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>

```

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  <execution>
    <id>attach-sources</id>
    <phase>verify</phase>
    <goals>
      <goal>jar-no-fork</goal>
    </goals>
  </execution>
</executions>
</plugin>
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  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-javadoc-plugin</artifactId>
  <version>3.1.1</version>
  <configuration>
    <additionalOptions>
      <additionalOption>-Xdoclint:none</additionalOption>
    </additionalOptions>
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  </executions>
</plugin>
</plugins>
</build>

<distributionManagement>
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    <name>jctools-jctools</name>
    <url>https://api.bintray.com/maven/jctools/jctools/jctools-core/;publish=1</url>
  </repository>
</distributionManagement>

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

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

```

```
<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>
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<java.version>1.6</java.version>
<java.test.version>1.8</java.test.version>

<maven.compiler.source>${java.version}</maven.compiler.source>
<maven.compiler.target>${java.version}</maven.compiler.target>
<maven.compiler.testSource>${java.test.version}</maven.compiler.testSource>
<maven.compiler.testTarget>${java.test.version}</maven.compiler.testTarget>

<hamcrest.version>1.3</hamcrest.version>
<junit.version>4.12</junit.version>
<guava-testlib.version>21.0</guava-testlib.version>
</properties>
</project>
```

Found

in path(s):

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/META-INF/maven/org.jctools/jctools-core/pom.xml

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* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/SuppressJava6Requirement.java

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* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/NetUtilSubstitutions.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/NetUtilInitializations.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/DomainWildcardMappingBuilder.java

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* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/ThreadLocalRandom.java

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* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-

jar/io/netty/util/internal/IntegerHolder.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-
jar/io/netty/util/ResourceLeakHint.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-
jar/io/netty/util/Mapping.java
*
/opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-
jar/io/netty/util/AsciiString.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-
jar/io/netty/util/internal/UnpaddedInternalThreadLocalMap.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-
jar/io/netty/util/concurrent/FastThreadLocal.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-
jar/io/netty/util/DomainNameMapping.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-
jar/io/netty/util/internal/NativeLibraryLoader.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-
jar/io/netty/util/internal/InternalThreadLocalMap.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-
jar/io/netty/util/concurrent/PromiseAggregator.java
*
/opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-
jar/io/netty/util/ThreadDeathWatcher.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-
jar/io/netty/util/concurrent/PromiseNotifier.java
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* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-
jar/io/netty/util/internal/svm/PlatformDependent0Substitution.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-
jar/io/netty/util/internal/ThreadExecutorMap.java

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*
/opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-
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* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-
jar/io/netty/util/internal/svm/CleanerJava6Substitution.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-
jar/io/netty/util/internal/svm/UnsafeRefArrayAccessSubstitution.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-
jar/io/netty/util/internal/Hidden.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-
jar/io/netty/util/internal/svm/package-info.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-
jar/io/netty/util/internal/ReferenceCountUpdater.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-
jar/io/netty/util/internal/ObjectPool.java
```

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* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/META-
INF/native-image/io.netty.netty-common/native-image.properties
```

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```
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-
jar/io/netty/util/CharsetUtil.java
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```
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-
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```

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/package-info.java
*
/opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/logging/Slf4JLogger.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/concurrent/EventExecutorGroup.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/logging/InternalLogLevel.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/logging/Log4JLoggerFactory.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/AbstractConstant.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/SystemPropertyUtil.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/DefaultAttributeMap.java
*
/opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/concurrent/MultithreadEventExecutorGroup.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/IllegalReferenceCountException.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/concurrent/SucceededFuture.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/AttributeKey.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/Timeout.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/Constant.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/concurrent/GlobalEventExecutor.java
*
/opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/Signal.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/logging/AbstractInternalLogger.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/concurrent/SingleThreadEventExecutor.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/logging/CommonsLoggerFactory.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/package-info.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/logging/Slf4JLoggerFactory.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/Attribute.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-

jar/io/netty/util/HashedWheelTimer.java

*

/opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-

jar/io/netty/util/AttributeMap.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-

jar/io/netty/util/internal/logging/JdkLoggerFactory.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-

jar/io/netty/util/NetUtil.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-

jar/io/netty/util/concurrent/DefaultEventExecutorGroup.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-

jar/io/netty/util/Timer.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-

jar/io/netty/util/internal/logging/InternalLoggerFactory.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-

jar/io/netty/util/concurrent/EventExecutor.java

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/opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-

jar/io/netty/util/concurrent/FailedFuture.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-

jar/io/netty/util/TimerTask.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-

jar/io/netty/util/internal/PlatformDependent.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-

jar/io/netty/util/concurrent/BlockingOperationException.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-

jar/io/netty/util/internal/StringUtil.java

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 jar/io/netty/util/internal/logging/InternalLogger.java
 *
 /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-
 jar/io/netty/util/internal/logging/CommonsLogger.java
 * /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-
 jar/io/netty/util/internal/logging/Log4JLogger.java
 * /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-
 jar/io/netty/util/internal/logging/JdkLogger.java

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/opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/logging/MessageFormatter.java

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* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/ThrowableUtil.java

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/opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/concurrent/RejectedExecutionHandler.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/ConstantTimeUtils.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/IntSupplier.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/OutOfDirectMemoryError.java

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* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/concurrent/UnorderedThreadPoolEventExecutor.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/concurrent/UnaryPromiseNotifier.java

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* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/PromiseNotificationUtil.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/MacAddressUtil.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/concurrent/EventExecutorChooserFactory.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/concurrent/PromiseCombiner.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/BooleanSupplier.java
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/opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/logging/Log4J2LoggerFactory.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/concurrent/DefaultEventExecutorChooserFactory.java
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* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/ObjectUtil.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/collection/ShortObjectHashMap.java
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- * /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/EmptyArrays.java
- * /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/concurrent/ThreadPoolExecutor.java
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- * /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/concurrent/ImmediateExecutor.java
- * /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/concurrent/ScheduledFuture.java
- * /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/concurrent/DefaultPromise.java
- * /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/ResourceLeak.java
- * /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/Recycler.java
- * /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/concurrent/package-info.java
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- * /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/concurrent/ProgressiveFuture.java
- * /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/concurrent/AbstractEventExecutorGroup.java
- * /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/concurrent/ScheduledFutureTask.java
- * /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/concurrent/DefaultThreadFactory.java
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- * /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/NoOpTypeParameterMatcher.java
- * /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/AbstractReferenceCounted.java

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* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-
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* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/SpSCChunkedAtomicArrayQueue.java

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/opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/MpscUnboundedArrayQueue.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/BaseSpSCLinkedAtomicArrayQueue.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/MpscUnboundedXaddChunk.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/SequencedAtomicReferenceArrayQueue.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/SpmcAtomicArrayQueue.java

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/opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/LinkedQueueNode.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/MpmcAtomicArrayQueue.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/shaded/org/jctools/maps/NonBlockingSetInt.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/package-info.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/SpSCGrowableAtomicArrayQueue.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/shaded/org/jctools/util/Pow2.java

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/opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/shaded/org/jctools/maps/NonBlockingHashMapLong.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/SpSCAtomicArrayQueue.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/MpscCompoundQueue.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/MpmcArrayQueue.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/shaded/org/jctools/maps/NonBlockingHashSet.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/MpscGrowableArrayQueue.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/shaded/org/jctools/util/UnsafeAccess.java

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* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/AtomicReferenceArrayQueue.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/MessagePassingQueueUtil.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/LinkedQueueAtomicNode.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/SpSCLinkedQueue.java

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* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/spec/Ordering.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/BaseMpscLinkedAtomicArrayQueue.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/spec/Preference.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/shaded/org/jctools/util/PortableJvmInfo.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/SpSCChunkedArrayQueue.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/MpmcUnboundedXaddArrayQueue.java

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/opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/spec/ConcurrentQueueSpec.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/shaded/org/jctools/maps/NonBlockingHashMap.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/SupportsIterator.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/shaded/org/jctools/util/UnsafeLongArrayAccess.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/MpscLinkedQueue.java

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/opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/MpscUnboundedXaddArrayQueue.java

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* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/ConcurrentCircularArrayQueue.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/shaded/org/jctools/maps/NonBlockingIdentityHashMap.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/MpscChunkedArrayQueue.java

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* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-
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* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-
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/opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/IndexedQueueSizeUtil.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-
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* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/MpmcUnboundedXaddChunk.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-
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* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/MpscBlockingConsumerArrayQueue.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/ConcurrentSequencedCircularArrayQueue.java
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/opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/util/RangeUtil.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/BaseSpSCLinkedArrayQueue.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/BaseLinkedAtomicQueue.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/SpMCArrayQueue.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/maps/ConcurrentAutoTable.java

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* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/ByteProcessorUtils.java
* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/ResourcesUtil.java

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io.netty.util.internal.Hidden\$NettyBlockHoundIntegration

Found in path(s):

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/META-INF/services/reactor.blockhound.integration.BlockHoundIntegration

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* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/concurrent/ThreadProperties.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/DefaultPriorityQueue.java

*

/opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/LongCounter.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/internal/PriorityQueueNode.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/DomainMappingBuilder.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/HashingStrategy.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/AsyncMapping.java

* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/concurrent/AbstractScheduledEventExecutor.java

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* /opt/cola/permits/1820904486_1697192360.8623555/0/netty-common-4-1-100-final-sources-jar/io/netty/util/ByteProcessor.java

1.443 netty-transport 4.1.100.Final

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Manifest-Version: 1.0

Implementation-Title: Netty/Transport

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

Automatic-Module-Name: io.netty.transport

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

Bundle-SymbolicName: io.netty.transport

Implementation-Version: 4.1.100.Final

Built-By: norman

Bnd-LastModified: 1696948198155

Bundle-ManifestVersion: 2

Implementation-Vendor-Id: io.netty

Bundle-DocURL: <https://netty.io/>

Bundle-Vendor: The Netty Project

Import-Package: io.netty.bootstrap,io.netty.buffer;version="[4.1,5)",io.netty.channel,io.netty.channel.nio,io.netty.channel.oio,io.netty.channel.socket,io.netty.resolver;version="[4.1,5)",io.netty.util;version="[4.1,5)",io.netty.util.concurrent;version="[4.1,5)",io.netty.util.internal;version="[4.1,5)",io.netty.util.internal.logging;version="[4.1,5)",sun.nio.ch;resolution:=optional,org.eclipse.jetty.npn;version="[1,2)";resolution:=optional,org.eclipse.jetty.alpn;version="[1,2)";resolution:=optional

Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.6))"

Tool: Bnd-6.3.1.202206071316

Implementation-Vendor: The Netty Project

Export-Package: io.netty.bootstrap;uses:="io.netty.channel,io.netty.resolver,io.netty.util";version="4.1.100",io.netty.channel;uses:="io.netty.bootstrap,io.netty.buffer,io.netty.util,io.netty.util.concurrent";version="4.1.100",io.netty.channel.embedded;uses:="io.netty.channel";version="4.1.100",io.netty.channel.group;uses:="io.netty.channel,io.netty.util.concurrent";version="4.1.100",io.netty.channel.internal;version="4.1.100",io.netty.channel.local;uses:="io.netty.channel";version="4.1.100",io.netty.channel.nio;uses:="io.netty.buffer,io.netty.channel,io.netty.util,io.netty.util.concurrent";version="4.1.100",io.netty.channel.oio;uses:="io.netty.buffer,io.netty.channel";version="4.1.100",io.netty.channel.pool;uses:="io.netty.bootstrap,io.netty.channel,io.netty.util.concurrent";version="4.1.100",io.netty.channel.socket;uses:="io.netty.buffer,io.netty.channel,io.netty.util";version="4.1.100",io.netty.channel.socket.nio;uses:="io.netty.buffer,io.netty.channel,io.netty.channel.nio,io.netty.channel.socket";version="4.1.100",io.netty.channel.socket.oio;uses:="io.netty.buffer,io.netty.channel,io.netty.channel.oio,io.netty.channel.socket";version="4.1.100"

Bundle-Name: Netty/Transport

Bundle-Version: 4.1.100.Final

Build-Jdk-Spec: 1.8
Created-By: Apache Maven Bundle Plugin 5.1.8
Build-Jdk: 1.8.0_382
Implementation-URL: <https://netty.io/netty-transport/>

Found in path(s):

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1.444 curl 8.4.0-r0

1.444.1 Available under license :

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1.445 google-golang-org-genproto- googleapis-api 0.0.0-20230822172742- b8732ec3820d

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```
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/SslHandshakeCompletionEvent.java
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* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/META-
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* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/BouncyCastlePemReader.java

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* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/SslContextBuilder.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolNegotiationHandler.java
*
/opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolAccessor.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/OpenSslSessionTicketKey.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolNames.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/ClientAuth.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/util/LazyJavaxX509Certificate.java
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* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ipfilter/IpSubnetFilterRuleComparator.java

*

/opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/util/FingerprintTrustManagerFactoryBuilder.java

* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/SslClosedEngineException.java

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* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/SslHandshakeTimeoutException.java

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* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-
jar/io/netty/handler/ssl/OpenSslSessionCache.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-
jar/io/netty/handler/ssl/BouncyCastleAlpnSslEngine.java
*
/opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-
jar/io/netty/handler/ssl/GroupsConverter.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-
jar/io/netty/handler/ssl/BouncyCastleAlpnSslUtils.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-
jar/io/netty/handler/ssl/BouncyCastle.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-
jar/io/netty/handler/ssl/OpenSslAsyncPrivateKeyMethod.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-
jar/io/netty/handler/ssl/SslContextOption.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-
jar/io/netty/handler/ssl/SslProtocols.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-
jar/io/netty/handler/ssl/OpenSslSessionId.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-
jar/io/netty/handler/ssl/OpenSslContextOption.java
*
/opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-
jar/io/netty/handler/ssl/Ciphers.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-
jar/io/netty/handler/ssl/AsyncRunnable.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-
jar/io/netty/handler/ssl/OpenSslClientSessionCache.java
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jar/io/netty/handler/ssl/SslCompletionEvent.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-
jar/io/netty/handler/ssl/ConscryptAlpnSslEngine.java
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jar/io/netty/handler/ssl/ocsp/OcspClientHandler.java
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jar/io/netty/handler/ssl/SslClientHelloHandler.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/Conscrypt.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/SslCloseCompletionEvent.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/AbstractSniHandler.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/OptionalSslHandler.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/JdkAlpnSslUtils.java
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Found in path(s):
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/StacklessSSLHandshakeException.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/EnhancingX509ExtendedTrustManager.java
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* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/pcap/EthernetPacket.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/pcap/PcapWriter.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/pcap/PcapWriteHandler.java
*
/opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/pcap/package-info.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/pcap/PcapHeaders.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/pcap/TCPpacket.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/pcap/UDPPacket.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/pcap/IPPacket.java

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* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/logging/package-info.java
*
/opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/stream/package-info.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/timeout/IdleStateEvent.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/stream/ChunkedStream.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/package-info.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/timeout/WriteTimeoutException.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/timeout/package-info.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/timeout/IdleState.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/util/package-info.java
*
/opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/stream/ChunkedInput.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/stream/ChunkedWriteHandler.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/timeout/IdleStateHandler.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/stream/ChunkedNioStream.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/timeout/TimeoutException.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/logging/LogLevel.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/timeout/ReadTimeoutException.java
*
/opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/stream/ChunkedNioFile.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/NotSslRecordException.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/timeout/WriteTimeoutHandler.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/stream/ChunkedFile.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/logging/LoggingHandler.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-

jar/io/netty/handler/ssl/SslHandler.java

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jar/io/netty/handler/ssl/util/SelfSignedCertificate.java

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jar/io/netty/handler/ssl/OpenSslEngineMap.java

* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-

jar/io/netty/handler/ssl/IdentityCipherSuiteFilter.java

*

/opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ipfilter/UniqueIpFilter.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/SslContext.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/OpenSslEngine.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/OpenSslApplicationProtocolNegotiator.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/PemReader.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ipfilter/IpFilterRule.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/SslProvider.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ipfilter/RuleBasedIpFilter.java
*
/opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/OpenSslServerContext.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/JettyAlpnSslEngine.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/SupportedCipherSuiteFilter.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/util/OpenJdkSelfSignedCertGenerator.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolNegotiator.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/CipherSuiteConverter.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/util/LazyX509Certificate.java
*
/opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/CipherSuiteFilter.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/Java7SslParametersUtils.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/OpenSslServerSessionContext.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/traffic/GlobalChannelTrafficCounter.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ipfilter/IpFilterRuleType.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ipfilter/package-info.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/JdkBaseApplicationProtocolNegotiator.java
*

/opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/OpenSslNpnApplicationProtocolNegotiator.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/SniHandler.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/SslUtils.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ipfilter/AbstractRemoteAddressFilter.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/JdkSslClientContext.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/JdkSslContext.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/JdkSslEngine.java
*
/opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/util/ThreadLocalInsecureRandom.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/JettyNpnSslEngine.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/OpenSsl.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/OpenSslDefaultApplicationProtocolNegotiator.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/OpenSslSessionStats.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/util/SimpleTrustManagerFactory.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolConfig.java
*
/opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/JdkNpnApplicationProtocolNegotiator.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/JdkAlpnApplicationProtocolNegotiator.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/util/FingerprintTrustManagerFactory.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/JdkDefaultApplicationProtocolNegotiator.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/JdkSslServerContext.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolUtil.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/util/BouncyCastleSelfSignedCertGenerator.java
*
/opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/util/InsecureTrustManagerFactory.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-

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jar/io/netty/handler/ssl/JdkApplicationProtocolNegotiator.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-
jar/io/netty/handler/ipfilter/IpSubnetFilterRule.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-
jar/io/netty/handler/ssl/OpenSslContext.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-
jar/io/netty/handler/ssl/OpenSslSessionContext.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-
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jar/io/netty/handler/traffic/AbstractTrafficShapingHandler.java
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* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/PemX509Certificate.java

*

/opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/flush/package-info.java

* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/PemEncoded.java

* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/Java8SslUtils.java

* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/OpenSslCertificateException.java

* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/ReferenceCountedOpenSslClientContext.java

* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/PemValue.java

* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/ReferenceCountedOpenSslEngine.java

* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/PemPrivateKey.java

*

/opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/ReferenceCountedOpenSslContext.java

* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/ReferenceCountedOpenSslServerContext.java

* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/util/X509TrustManagerWrapper.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/flow/package-info.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/OpenSslKeyMaterialManager.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/DelegatingSslContext.java

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* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/traffic/ChannelTrafficShapingHandler.java

*

/opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/traffic/GlobalTrafficShapingHandler.java

* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/traffic/TrafficCounter.java

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* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-
jar/io/netty/handler/ssl/ExtendedOpenSslSession.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-
jar/io/netty/handler/ssl/OpenSslCachingKeyMaterialProvider.java
*

/opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-
jar/io/netty/handler/ssl/SignatureAlgorithmConverter.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-
jar/io/netty/handler/ssl/OpenSslSession.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-
jar/io/netty/handler/ssl/OpenSslPrivateKey.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-
jar/io/netty/handler/ssl/OpenSslCachingX509KeyManagerFactory.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-
jar/io/netty/handler/ssl/OpenSslKeyMaterialProvider.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-
jar/io/netty/handler/ssl/OpenSslX509KeyManagerFactory.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-
jar/io/netty/handler/ssl/DefaultOpenSslKeyMaterial.java
*

/opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-
jar/io/netty/handler/ssl/OpenSslKeyMaterial.java
* /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-
jar/io/netty/handler/ssl/OpenSslX509TrustManagerWrapper.java

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- * /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/util/TrustManagerFactoryWrapper.java
- * /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/util/KeyManagerFactoryWrapper.java
- *
- /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/OpenSslPrivateKeyMethod.java
- * /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/address/DynamicAddressConnectHandler.java
- * /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/util/SimpleKeyManagerFactory.java
- * /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/PseudoRandomFunction.java
- * /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/util/X509KeyManagerWrapper.java
- * /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/ssl/SslMasterKeyHandler.java
- * /opt/cola/permits/1824197368_1697526507.6772025/0/netty-handler-4-1-100-final-sources-jar/io/netty/handler/address/package-info.java

1.450 netty-codec-dns 4.1.100.Final

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- * /opt/cola/permits/1824197333_1697526499.6075978/0/netty-codec-dns-4-1-100-final-sources-

jar/io/netty/handler/codec/dns/DefaultDnsPtrRecord.java

*

/opt/cola/permits/1824197333_1697526499.6075978/0/netty-codec-dns-4-1-100-final-sources-

jar/io/netty/handler/codec/dns/AbstractDnsOptPseudoRrRecord.java

* /opt/cola/permits/1824197333_1697526499.6075978/0/netty-codec-dns-4-1-100-final-sources-

jar/io/netty/handler/codec/dns/DnsOptPseudoRecord.java

* /opt/cola/permits/1824197333_1697526499.6075978/0/netty-codec-dns-4-1-100-final-sources-

jar/io/netty/handler/codec/dns/DefaultDnsOptEcsRecord.java

* /opt/cola/permits/1824197333_1697526499.6075978/0/netty-codec-dns-4-1-100-final-sources-

jar/io/netty/handler/codec/dns/DnsPtrRecord.java

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jar/io/netty/handler/codec/dns/DatagramDnsResponse.java

* /opt/cola/permits/1824197333_1697526499.6075978/0/netty-codec-dns-4-1-100-final-sources-

jar/io/netty/handler/codec/dns/DefaultDnsRecordEncoder.java

*

/opt/cola/permits/1824197333_1697526499.6075978/0/netty-codec-dns-4-1-100-final-sources-

jar/io/netty/handler/codec/dns/DefaultDnsQuestion.java

* /opt/cola/permits/1824197333_1697526499.6075978/0/netty-codec-dns-4-1-100-final-sources-

jar/io/netty/handler/codec/dns/DefaultDnsRecordDecoder.java

* /opt/cola/permits/1824197333_1697526499.6075978/0/netty-codec-dns-4-1-100-final-sources-

jar/io/netty/handler/codec/dns/DnsOpCode.java

* /opt/cola/permits/1824197333_1697526499.6075978/0/netty-codec-dns-4-1-100-final-sources-

jar/io/netty/handler/codec/dns/DatagramDnsQuery.java

* /opt/cola/permits/1824197333_1697526499.6075978/0/netty-codec-dns-4-1-100-final-sources-

jar/io/netty/handler/codec/dns/DefaultDnsQuery.java

* /opt/cola/permits/1824197333_1697526499.6075978/0/netty-codec-dns-4-1-100-final-sources-

jar/io/netty/handler/codec/dns/AbstractDnsRecord.java

* /opt/cola/permits/1824197333_1697526499.6075978/0/netty-codec-dns-4-1-100-final-sources-

jar/io/netty/handler/codec/dns/DatagramDnsQueryDecoder.java

*
/opt/cola/permits/1824197333_1697526499.6075978/0/netty-codec-dns-4-1-100-final-sources-jar/io/netty/handler/codec/dns/DefaultDnsRawRecord.java
* /opt/cola/permits/1824197333_1697526499.6075978/0/netty-codec-dns-4-1-100-final-sources-jar/io/netty/handler/codec/dns/DnsMessage.java
* /opt/cola/permits/1824197333_1697526499.6075978/0/netty-codec-dns-4-1-100-final-sources-jar/io/netty/handler/codec/dns/DnsRecordType.java
* /opt/cola/permits/1824197333_1697526499.6075978/0/netty-codec-dns-4-1-100-final-sources-jar/io/netty/handler/codec/dns/DnsQuery.java
* /opt/cola/permits/1824197333_1697526499.6075978/0/netty-codec-dns-4-1-100-final-sources-jar/io/netty/handler/codec/dns/DatagramDnsResponseEncoder.java
* /opt/cola/permits/1824197333_1697526499.6075978/0/netty-codec-dns-4-1-100-final-sources-jar/io/netty/handler/codec/dns/DnsResponseCode.java
* /opt/cola/permits/1824197333_1697526499.6075978/0/netty-codec-dns-4-1-100-final-sources-jar/io/netty/handler/codec/dns/DnsRecordDecoder.java

*
/opt/cola/permits/1824197333_1697526499.6075978/0/netty-codec-dns-4-1-100-final-sources-jar/io/netty/handler/codec/dns/DnsRawRecord.java
* /opt/cola/permits/1824197333_1697526499.6075978/0/netty-codec-dns-4-1-100-final-sources-jar/io/netty/handler/codec/dns/DnsRecord.java
* /opt/cola/permits/1824197333_1697526499.6075978/0/netty-codec-dns-4-1-100-final-sources-jar/io/netty/handler/codec/dns/DnsResponse.java
* /opt/cola/permits/1824197333_1697526499.6075978/0/netty-codec-dns-4-1-100-final-sources-jar/io/netty/handler/codec/dns/AbstractDnsMessage.java
* /opt/cola/permits/1824197333_1697526499.6075978/0/netty-codec-dns-4-1-100-final-sources-jar/io/netty/handler/codec/dns/DnsRecordEncoder.java
* /opt/cola/permits/1824197333_1697526499.6075978/0/netty-codec-dns-4-1-100-final-sources-jar/io/netty/handler/codec/dns/package-info.java
* /opt/cola/permits/1824197333_1697526499.6075978/0/netty-codec-dns-4-1-100-final-sources-jar/io/netty/handler/codec/dns/DatagramDnsQueryEncoder.java

*
/opt/cola/permits/1824197333_1697526499.6075978/0/netty-codec-dns-4-1-100-final-sources-jar/io/netty/handler/codec/dns/DnsSection.java
* /opt/cola/permits/1824197333_1697526499.6075978/0/netty-codec-dns-4-1-100-final-sources-jar/io/netty/handler/codec/dns/DatagramDnsResponseDecoder.java
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* /opt/cola/permits/1824197333_1697526499.6075978/0/netty-codec-dns-4-1-100-final-sources-jar/io/netty/handler/codec/dns/DnsMessageUtil.java
* /opt/cola/permits/1824197333_1697526499.6075978/0/netty-codec-dns-4-1-100-final-sources-jar/io/netty/handler/codec/dns/DnsQuestion.java

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* /opt/cola/permits/1824197333_1697526499.6075978/0/netty-codec-dns-4-1-100-final-sources-jar/io/netty/handler/codec/dns/TcpDnsResponseDecoder.java

*

/opt/cola/permits/1824197333_1697526499.6075978/0/netty-codec-dns-4-1-100-final-sources-jar/io/netty/handler/codec/dns/DnsQueryEncoder.java

* /opt/cola/permits/1824197333_1697526499.6075978/0/netty-codec-dns-4-1-100-final-sources-jar/io/netty/handler/codec/dns/DnsResponseDecoder.java

* /opt/cola/permits/1824197333_1697526499.6075978/0/netty-codec-dns-4-1-100-final-sources-jar/io/netty/handler/codec/dns/DnsCodecUtil.java

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jar/io/netty/handler/codec/dns/TcpDnsResponseEncoder.java
* /opt/cola/permits/1824197333_1697526499.6075978/0/netty-codec-dns-4-1-100-final-sources-
jar/io/netty/handler/codec/dns/TcpDnsQueryDecoder.java
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1.451 netty-transport-native-unix-common

4.1.100.Final

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sources-jar/netty_unix_limits.c
* /opt/cola/permits/1824197187_1697526505.2585757/0/netty-transport-native-unix-common-4-1-100-final-
```



```
sources-jar/netty_unix_util.h
* /opt/cola/permits/1824197187_1697526505.2585757/0/netty-transport-native-unix-common-4-1-100-final-
sources-jar/io/netty/channel/unix/ErrorsStaticallyReferencedJniMethods.java
*
/opt/cola/permits/1824197187_1697526505.2585757/0/netty-transport-native-unix-common-4-1-100-final-sources-
jar/io/netty/channel/unix/Limits.java
* /opt/cola/permits/1824197187_1697526505.2585757/0/netty-transport-native-unix-common-4-1-100-final-
sources-jar/netty_unix_limits.h
* /opt/cola/permits/1824197187_1697526505.2585757/0/netty-transport-native-unix-common-4-1-100-final-
sources-jar/netty_unix_util.c
* /opt/cola/permits/1824197187_1697526505.2585757/0/netty-transport-native-unix-common-4-1-100-final-
sources-jar/io/netty/channel/unix/SocketWritableByteChannel.java
* /opt/cola/permits/1824197187_1697526505.2585757/0/netty-transport-native-unix-common-4-1-100-final-
sources-jar/io/netty/channel/unix/PeerCredentials.java
* /opt/cola/permits/1824197187_1697526505.2585757/0/netty-transport-native-unix-common-4-1-100-final-
sources-jar/io/netty/channel/unix/LimitsStaticallyReferencedJniMethods.java
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* /opt/cola/permits/1824197187_1697526505.2585757/0/netty-transport-native-unix-common-4-1-100-final-sources-jar/io/netty/channel/unix/DomainDatagramSocketAddress.java
*

/opt/cola/permits/1824197187_1697526505.2585757/0/netty-transport-native-unix-common-4-1-100-final-sources-jar/io/netty/channel/unix/DomainDatagramChannelConfig.java
* /opt/cola/permits/1824197187_1697526505.2585757/0/netty-transport-native-unix-common-4-1-100-final-sources-jar/io/netty/channel/unix/SegmentedDatagramPacket.java
* /opt/cola/permits/1824197187_1697526505.2585757/0/netty-transport-native-unix-common-4-1-100-final-sources-jar/io/netty/channel/unix/DomainDatagramPacket.java

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* /opt/cola/permits/1824197187_1697526505.2585757/0/netty-transport-native-unix-common-4-1-100-final-sources-jar/netty_unix_errors.h
*

/opt/cola/permits/1824197187_1697526505.2585757/0/netty-transport-native-unix-common-4-1-100-final-sources-jar/netty_unix_filedescriptor.h

* /opt/cola/permits/1824197187_1697526505.2585757/0/netty-transport-native-unix-common-4-1-100-final-sources-jar/netty_unix_socket.h

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sources-jar/io/netty/channel/unix/DomainSocketReadMode.java
* /opt/cola/permits/1824197187_1697526505.2585757/0/netty-transport-native-unix-common-4-1-100-final-
sources-jar/netty_unix_filedescriptor.c
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sources-jar/io/netty/channel/unix/DomainSocketAddress.java
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sources-jar/netty_unix_socket.c
* /opt/cola/permits/1824197187_1697526505.2585757/0/netty-transport-native-unix-common-4-1-100-final-
sources-jar/io/netty/channel/unix/UnixChannel.java
*
/opt/cola/permits/1824197187_1697526505.2585757/0/netty-transport-native-unix-common-4-1-100-final-sources-
jar/netty_unix_errors.c
* /opt/cola/permits/1824197187_1697526505.2585757/0/netty-transport-native-unix-common-4-1-100-final-
sources-jar/io/netty/channel/unix/DatagramSocketAddress.java
* /opt/cola/permits/1824197187_1697526505.2585757/0/netty-transport-native-unix-common-4-1-100-final-
sources-jar/io/netty/channel/unix/Errors.java
* /opt/cola/permits/1824197187_1697526505.2585757/0/netty-transport-native-unix-common-4-1-100-final-
sources-jar/io/netty/channel/unix/ServerDomainSocketChannel.java
* /opt/cola/permits/1824197187_1697526505.2585757/0/netty-transport-native-unix-common-4-1-100-final-
sources-jar/io/netty/channel/unix/DomainSocketChannel.java
* /opt/cola/permits/1824197187_1697526505.2585757/0/netty-transport-native-unix-common-4-1-100-final-
sources-jar/io/netty/channel/unix/DomainSocketChannelConfig.java
* /opt/cola/permits/1824197187_1697526505.2585757/0/netty-transport-native-unix-common-4-1-100-final-
sources-jar/io/netty/channel/unix/Socket.java
*
/opt/cola/permits/1824197187_1697526505.2585757/0/netty-transport-native-unix-common-4-1-100-final-sources-
jar/io/netty/channel/unix/NativeInetAddress.java
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sources-jar/io/netty/channel/unix/PreferredDirectByteBufferAllocator.java
```

* /opt/cola/permits/1824197187_1697526505.2585757/0/netty-transport-native-unix-common-4-1-100-final-sources-jar/io/netty/channel/unix/Buffer.java

*

/opt/cola/permits/1824197187_1697526505.2585757/0/netty-transport-native-unix-common-4-1-100-final-sources-jar/netty_unix_buffer.h

* /opt/cola/permits/1824197187_1697526505.2585757/0/netty-transport-native-unix-common-4-1-100-final-sources-jar/netty_unix_buffer.c

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* /opt/cola/permits/1824197187_1697526505.2585757/0/netty-transport-native-unix-common-4-1-100-final-sources-jar/io/netty/channel/unix/package-info.java

*

/opt/cola/permits/1824197187_1697526505.2585757/0/netty-transport-native-unix-common-4-1-100-final-sources-jar/io/netty/channel/unix/Unix.java

* /opt/cola/permits/1824197187_1697526505.2585757/0/netty-transport-native-unix-common-4-1-100-final-sources-jar/io/netty/channel/unix/IovArray.java

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* /opt/cola/permits/1824197187_1697526505.2585757/0/netty-transport-native-unix-common-4-1-100-final-sources-jar/netty_unix_jni.h

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* /opt/cola/permits/1824197187_1697526505.2585757/0/netty-transport-native-unix-common-4-1-100-final-sources-jar/io/netty/channel/unix/IntegerUnixChannelOption.java

*

/opt/cola/permits/1824197187_1697526505.2585757/0/netty-transport-native-unix-common-4-1-100-final-sources-jar/io/netty/channel/unix/RawUnixChannelOption.java

1.452 netty-transport-classes-epoll

4.1.100.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.

*/

/**

* Set the { @code TCP_QUICKACK } option on the socket.

* See <https://linux.die.net/man/7/tcp>>TCP_QUICKACK

* for more details.

*/

Found in path(s):

* /opt/cola/permits/1824197247_1697526509.5122175/0/netty-transport-classes-epoll-4-1-100-final-sources-jar/io/netty/channel/epoll/EpollSocketChannelConfig.java

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* /opt/cola/permits/1824197247_1697526509.5122175/0/netty-transport-classes-epoll-4-1-100-final-sources-jar/io/netty/channel/epoll/EpollSocketChannel.java

*

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* /opt/cola/permits/1824197247_1697526509.5122175/0/netty-transport-classes-epoll-4-1-100-final-sources-jar/io/netty/channel/epoll/Epoll.java

* /opt/cola/permits/1824197247_1697526509.5122175/0/netty-transport-classes-epoll-4-1-100-final-sources-jar/io/netty/channel/epoll/EpollTcpInfo.java

* /opt/cola/permits/1824197247_1697526509.5122175/0/netty-transport-classes-epoll-4-1-100-final-sources-jar/io/netty/channel/epoll/EpollDatagramChannel.java

* /opt/cola/permits/1824197247_1697526509.5122175/0/netty-transport-classes-epoll-4-1-100-final-sources-jar/io/netty/channel/epoll/NativeDatagramPacketArray.java

* /opt/cola/permits/1824197247_1697526509.5122175/0/netty-transport-classes-epoll-4-1-100-final-sources-jar/io/netty/channel/epoll/EpollEventLoopGroup.java

* /opt/cola/permits/1824197247_1697526509.5122175/0/netty-transport-classes-epoll-4-1-100-final-sources-jar/io/netty/channel/epoll/package-info.java

*

/opt/cola/permits/1824197247_1697526509.5122175/0/netty-transport-classes-epoll-4-1-100-final-sources-jar/io/netty/channel/epoll/EpollEventLoop.java

* /opt/cola/permits/1824197247_1697526509.5122175/0/netty-transport-classes-epoll-4-1-100-final-sources-jar/io/netty/channel/epoll/EpollChannelOption.java

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* /opt/cola/permits/1824197247_1697526509.5122175/0/netty-transport-classes-epoll-4-1-100-final-sources-jar/io/netty/channel/epoll/EpollDomainDatagramChannelConfig.java
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/opt/cola/permits/1824197247_1697526509.5122175/0/netty-transport-classes-epoll-4-1-100-final-sources-jar/io/netty/channel/epoll/EpollDomainDatagramChannel.java

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/**
 * Set the {@code TCP_MD5SIG} option on the socket. See {@code linux/tcp.h} for more details.
 * Keys can only be set on, not read to prevent a potential leak, as they are confidential.
 * Allowing them being read would mean anyone with access to the channel could get them.
*/
```

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* /opt/cola/permits/1824197247_1697526509.5122175/0/netty-transport-classes-epoll-4-1-100-final-sources-
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1.453 netty-resolver-dns 4.1.100.Final

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* /opt/cola/permits/1824197291_1697526511.4534771/0/netty-resolver-dns-4-1-100-final-sources-
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jar/io/netty/resolver/dns/NoopAuthoritativeDnsServerCache.java
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* /opt/cola/permits/1824197291_1697526511.4534771/0/netty-resolver-dns-4-1-100-final-sources-
jar/io/netty/resolver/dns/Cache.java
* /opt/cola/permits/1824197291_1697526511.4534771/0/netty-resolver-dns-4-1-100-final-sources-
jar/io/netty/resolver/dns/DnsAddressDecoder.java
* /opt/cola/permits/1824197291_1697526511.4534771/0/netty-resolver-dns-4-1-100-final-sources-
jar/io/netty/resolver/dns/DnsCnameCache.java
* /opt/cola/permits/1824197291_1697526511.4534771/0/netty-resolver-dns-4-1-100-final-sources-
jar/io/netty/resolver/dns/DnsAddressResolveContext.java
* /opt/cola/permits/1824197291_1697526511.4534771/0/netty-resolver-dns-4-1-100-final-sources-
jar/io/netty/resolver/dns/AuthoritativeDnsServerCache.java
*
/opt/cola/permits/1824197291_1697526511.4534771/0/netty-resolver-dns-4-1-100-final-sources-
jar/io/netty/resolver/dns/NoopDnsCnameCache.java
* /opt/cola/permits/1824197291_1697526511.4534771/0/netty-resolver-dns-4-1-100-final-sources-
jar/io/netty/resolver/dns/AuthoritativeDnsServerCacheAdapter.java
* /opt/cola/permits/1824197291_1697526511.4534771/0/netty-resolver-dns-4-1-100-final-sources-
jar/io/netty/resolver/dns/DirContextUtils.java
* /opt/cola/permits/1824197291_1697526511.4534771/0/netty-resolver-dns-4-1-100-final-sources-
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* /opt/cola/permits/1824197291_1697526511.4534771/0/netty-resolver-dns-4-1-100-final-sources-
jar/io/netty/resolver/dns/NoopDnsCache.java
*
```

```
/opt/cola/permits/1824197291_1697526511.4534771/0/netty-resolver-dns-4-1-100-final-sources-
jar/io/netty/resolver/dns/DefaultDnsCache.java
* /opt/cola/permits/1824197291_1697526511.4534771/0/netty-resolver-dns-4-1-100-final-sources-
jar/io/netty/resolver/dns/DnsCache.java
* /opt/cola/permits/1824197291_1697526511.4534771/0/netty-resolver-dns-4-1-100-final-sources-
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* /opt/cola/permits/1824197291_1697526511.4534771/0/netty-resolver-dns-4-1-100-final-sources-jar/io/netty/resolver/dns/DnsServerAddressStreamProvider.java

*

/opt/cola/permits/1824197291_1697526511.4534771/0/netty-resolver-dns-4-1-100-final-sources-jar/io/netty/resolver/dns/UniSequentialDnsServerAddressStreamProvider.java

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* /opt/cola/permits/1824197291_1697526511.4534771/0/netty-resolver-dns-4-1-100-final-sources-jar/io/netty/resolver/dns/DefaultDnsServerAddressStreamProvider.java

* /opt/cola/permits/1824197291_1697526511.4534771/0/netty-resolver-dns-4-1-100-final-sources-jar/io/netty/resolver/dns/UnixResolverDnsServerAddressStreamProvider.java

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* /opt/cola/permits/1824197291_1697526511.4534771/0/netty-resolver-dns-4-1-100-final-sources-jar/io/netty/resolver/dns/NoopDnsQueryLifecycleObserver.java

*

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* /opt/cola/permits/1824197291_1697526511.4534771/0/netty-resolver-dns-4-1-100-final-sources-jar/io/netty/resolver/dns/SequentialDnsServerAddressStreamProvider.java

* /opt/cola/permits/1824197291_1697526511.4534771/0/netty-resolver-dns-4-1-100-final-sources-jar/io/netty/resolver/dns/DnsCacheEntry.java

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*

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* /opt/cola/permits/1824197291_1697526511.4534771/0/netty-resolver-dns-4-1-100-final-sources-jar/io/netty/resolver/dns/DnsNameResolverTimeoutException.java

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* /opt/cola/permits/1824197291_1697526511.4534771/0/netty-resolver-dns-4-1-100-final-sources-jar/io/netty/resolver/dns/ShuffledDnsServerAddressStream.java
*
/opt/cola/permits/1824197291_1697526511.4534771/0/netty-resolver-dns-4-1-100-final-sources-jar/io/netty/resolver/dns/RotationalDnsServerAddresses.java
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* /opt/cola/permits/1824197291_1697526511.4534771/0/netty-resolver-dns-4-1-100-final-sources-jar/io/netty/resolver/dns/DnsNameResolverException.java
* /opt/cola/permits/1824197291_1697526511.4534771/0/netty-resolver-dns-4-1-100-final-sources-jar/io/netty/resolver/dns/SequentialDnsServerAddressStream.java
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*

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/opt/cola/permits/1824197291_1697526511.4534771/0/netty-resolver-dns-4-1-100-final-sources-  
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jar/io/netty/handler/codec/spdy/SpdyHeaderBlockDecoder.java
* /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-
jar/io/netty/handler/codec/spdy/SpdyHeaderBlockZlibDecoder.java
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/opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketServerExtension.java
* /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/DeflateFrameServerExtensionHandshaker.java
* /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerMessageDeflateDecoder.java

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* /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-jar/io/netty/handler/codec/rtsp/RtspHeaderValues.java

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* /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-jar/io/netty/handler/codec/spdy/SpdyProtocolException.java
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* /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-jar/io/netty/handler/codec/http/HttpHeadersEncoder.java
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- * /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketClientProtocolConfig.java
- *
- /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker.java
- * /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionFilter.java
- * /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketServerProtocolHandler.java
- * /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketServerProtocolConfig.java
- * /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionFilterProvider.java
- * /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker07.java
- *
- /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketCloseStatus.java
- * /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocket00FrameDecoder.java
- * /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker13.java
- * /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-jar/io/netty/handler/codec/http/websocketx/CorruptedWebSocketFrameException.java
- * /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker08.java
- * /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshakerFactory.java
- *
- /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker00.java
- * /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketDecoderConfig.java
- * /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-jar/io/netty/handler/codec/http/websocketx/CloseWebSocketFrame.java

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* /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-jar/io/netty/handler/codec/http/ReadOnlyHttpHeaders.java

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/opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-jar/io/netty/handler/codec/http/HttpServerExpectContinueHandler.java

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* /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-
jar/io/netty/handler/codec/http/CookieDecoder.java
* /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-
jar/io/netty/handler/codec/http/HttpMessage.java

*
/opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-jar/io/netty/handler/codec/http/multipart/package-info.java
* /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-jar/io/netty/handler/codec/http/HttpObject.java
* /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-jar/io/netty/handler/codec/spdy/package-info.java
* /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-jar/io/netty/handler/codec/rtsp/RtspResponseDecoder.java
* /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-jar/io/netty/handler/codec/http/DefaultLastHttpContent.java
* /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-jar/io/netty/handler/codec/spdy/SpdyHttpEncoder.java
* /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-jar/io/netty/handler/codec/http/multipart/InternalAttribute.java
*
/opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-jar/io/netty/handler/codec/http/websocketx/ContinuationWebSocketFrame.java
* /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocket00FrameEncoder.java
* /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-jar/io/netty/handler/codec/spdy/SpdyHttpResponseStreamIdHandler.java
* /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-jar/io/netty/handler/codec/http/QueryStringDecoder.java
* /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketClientHandshaker08.java
* /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-jar/io/netty/handler/codec/http/multipart/MixedFileUpload.java
*
/opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-jar/io/netty/handler/codec/http/QueryStringEncoder.java
* /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-jar/io/netty/handler/codec/http/DefaultHttpContent.java
* /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-jar/io/netty/handler/codec/http/HttpObjectAggregator.java
* /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-jar/io/netty/handler/codec/rtsp/RtspObjectEncoder.java
* /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-jar/io/netty/handler/codec/http/HttpContent.java
* /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-jar/io/netty/handler/codec/http/HttpResponseDecoder.java
* /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-jar/io/netty/handler/codec/http/websocketx/PingWebSocketFrame.java
*
/opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-jar/io/netty/handler/codec/http/multipart/MemoryFileUpload.java
* /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-jar/io/netty/handler/codec/rtsp/RtspRequestDecoder.java

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* /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-
jar/io/netty/handler/codec/spdy/SpdySession.java
* /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-
jar/io/netty/handler/codec/http/multipart/HttpPostStandardRequestDecoder.java
* /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-
jar/io/netty/handler/codec/http/HttpConstants.java
* /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-
jar/io/netty/handler/codec/http/DefaultHttpObject.java
* /opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-
jar/io/netty/handler/codec/http/HttpHeaders.java
*
/opt/cola/permits/1824197347_1697526480.4248974/0/netty-codec-http-4-1-100-final-sources-
jar/io/netty/handler/codec/http/HttpVersion.java
```

1.455 netty-handler-proxy 4.1.100.Final

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* /opt/cola/permits/1824197326_1697526531.3224494/0/netty-handler-proxy-4-1-100-final-sources-jar/META-
INF/maven/io.netty/netty-handler-proxy/pom.xml
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jar/io/netty/handler/proxy/HttpProxyHandler.java
* /opt/cola/permits/1824197326_1697526531.3224494/0/netty-handler-proxy-4-1-100-final-sources-
jar/io/netty/handler/proxy/ProxyHandler.java
*
/opt/cola/permits/1824197326_1697526531.3224494/0/netty-handler-proxy-4-1-100-final-sources-
jar/io/netty/handler/proxy/package-info.java
* /opt/cola/permits/1824197326_1697526531.3224494/0/netty-handler-proxy-4-1-100-final-sources-
jar/io/netty/handler/proxy/Socks4ProxyHandler.java
* /opt/cola/permits/1824197326_1697526531.3224494/0/netty-handler-proxy-4-1-100-final-sources-
jar/io/netty/handler/proxy/Socks5ProxyHandler.java
* /opt/cola/permits/1824197326_1697526531.3224494/0/netty-handler-proxy-4-1-100-final-sources-
jar/io/netty/handler/proxy/ProxyConnectionEvent.java
* /opt/cola/permits/1824197326_1697526531.3224494/0/netty-handler-proxy-4-1-100-final-sources-
jar/io/netty/handler/proxy/ProxyConnectException.java
```

1.456 netty-codec-socks 4.1.100.Final

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- * /opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socksx/v4/package-info.java
- *
- /opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socksx/package-info.java
- * /opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socksx/v4/Socks4ServerEncoder.java
- * /opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socksx/v5/AbstractSocks5Message.java
- * /opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5InitialResponseDecoder.java
- * /opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5PasswordAuthRequestDecoder.java
- * /opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socksx/AbstractSocksMessage.java
- * /opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5CommandRequestDecoder.java
- *
- /opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5ClientEncoder.java
- * /opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5CommandResponseDecoder.java
- * /opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5Message.java
- * /opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socksx/v4/AbstractSocks4Message.java
- * /opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5InitialRequestDecoder.java
- * /opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socksx/v4/Socks4ClientEncoder.java
- *
- /opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socksx/v4/Socks4Message.java
- * /opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5PasswordAuthResponseDecoder.java

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* /opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socks/SocksMessage.java

*

/opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socksx/SocksMessage.java

* /opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socksx/v4/DefaultSocks4CommandResponse.java

* /opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socks/package-info.java

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* /opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socks/SocksMessageEncoder.java

* /opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socks/SocksInitResponse.java

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* /opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socksx/v5/DefaultSocks5InitialResponse.java

* /opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socks/SocksAuthRequestDecoder.java

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*

/opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socks/SocksInitRequest.java

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* /opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socks/UnknownSocksRequest.java
 * /opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5InitialResponse.java
 * /opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socksx/v5/package-info.java
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 /opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5CommandResponse.java
 * /opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socks/SocksResponse.java
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 * /opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socks/SocksInitRequestDecoder.java
 * /opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socks/SocksInitResponseDecoder.java
 * /opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socksx/v5/DefaultSocks5CommandResponse.java
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 * /opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socks/SocksAuthResponseDecoder.java
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 * /opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-

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jar/io/netty/handler/codec/socks/SocksAuthRequest.java
*
/opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-
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* /opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/META-INF/maven/io.netty/netty-codec-socks/pom.xml

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* /opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socks/SocksCmdStatus.java

* /opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5PasswordAuthStatus.java

*

/opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socks/SocksAddressType.java

* /opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socks/SocksAuthScheme.java

* /opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socks/SocksRequestType.java

* /opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socks/SocksProtocolVersion.java

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* /opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5CommandStatus.java

*

/opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socks/SocksCmdType.java

* /opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socks/SocksAuthStatus.java

* /opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socks/SocksMessageType.java

* /opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5AuthMethod.java
* /opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socks/SocksResponseType.java
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* /opt/cola/permits/1824197353_1697526488.7772381/0/netty-codec-socks-4-1-100-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5CommandType.java

1.457 musl-utils 1.2.4-r2

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Ada Worcester
Alex Dowad
Alex Suykov
Alexander Monakov
Andre McCurdy
Andrew Kelley

Anthony G. Basile
Aric Belsito
Arvid Picciani
Bartosz Brachaczek
Benjamin Peterson
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It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007.

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1.460 jetty-util 11.0.17

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- * javax.transaction:javax.transaction-api
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- * org.ow2.asm:asm-commons
- * org.ow2.asm:asm

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

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

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

* org.eclipse.jetty.toolchain:jetty-schemas

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- * org.eclipse.jetty.toolchain:jetty-schemas

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1.463 json-java 20231013

1.463.1 Available under license :

Public Domain.

1.464 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 library

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/x86_64/snappyjava.dll;osname=win32;processor=x64,org.xerial.snappy/native/Windows/x86_64/snappyjava.dll;osname=win32;processor=amd64,org.xerial.snappy/native/Windows/x86/snappyjava.dll;osname=win32;processor=x86,org.xerial.snappy/native/Mac/x86/libsnappyjava.jnilib;osname=macosx;processor=x86,org.xerial.snappy/native/Mac/x86_64/libsnappyjava.dylib;osname=macosx;processor=x86-64,org.xerial.snappy/native/Mac/aarch64/libsnappyjava.dylib;osname=macosx;processor=aarch64,org.xerial.snappy/native/Linux/x86_64/libsnappyjava.so;osname=linux;processor=x86-64,org.xerial.snappy/native/Linux/x86_64/libsnappyjava.so;osname=linux;processor=x64,org.xerial.snappy/native/Linux/x86_64/libsnappyjava.so;osname=linux;processor=amd64,org.xerial.snappy/native/Linux/x86/libsnappyjava.so;osname=linux;processor=x86,org.xerial.snappy/native/Linux/aarch64/libsnappyjava.so;osname=linux;processor=aarch64,org.xerial.snappy/native/Linux/riscv64/libsnappyjava.so;osname=linux;processor=riscv64,org.xerial.snappy/native/Linux/arm/libsnappyjava.so;osname=linux;processor=arm,org.xerial.snappy/native/Linux/armv7/libsnappyjava.so;osname=linux;processor=arm_le,org.xerial.snappy/native/Linux/ppc64/libsnappyjava.so;osname=linux;processor=ppc64le,org.xerial.snappy/native

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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.snappy.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.native.AIX.ppc64,org.xerial.snappy.native.FreeBSD.x86_64,org.xerial.snappy.native.Linux.aarch64,org.xerial.snappy.native.Linux.android-aarch64,org.xerial.snappy.native.Linux.android-arm,org.xerial.snappy.native.Linux.arm,org.xerial.snappy.native.Linux.armv6,org.xerial.snappy.native.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.x86_64,org.xerial.snappy.native.Mac.x86_64,org.xerial.snappy.native,org.xerial.snappy.native.SunOS.sparc,org.xerial.snappy.native.SunOS.x86,org.xerial.snappy.native.SunOS.x86_64,org.xerial.snappy.native.Windows.aarch64,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):

* /opt/cola/permits/1825539415_1697666805.4214594/0/snappy-java-1-1-10-5-jar/META-INF/MANIFEST.MF

1.465 python-setuptools 65.5.0

1.465.1 Available under license :

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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

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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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```

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`validate-pyproject`

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Upstream-Name: liblz4

Upstream-Contact: Yann Collet <Cyan4973@github.com>

Source: <https://github.com/lz4/lz4>

Files: *

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1.467 python-pip 23.2.1

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This package contains a modified version of ca-bundle.crt:

ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#

This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:

<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

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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			

Footnotes:

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

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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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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1.468 python-pip 23.1.2

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This package contains a modified version of ca-bundle.crt:

ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#

This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:

<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

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

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

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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3				
2.1.2	2002	PSF	yes	
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
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2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now		
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1.469 guava 32.1.3-jre

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1.470 python-certifi 2023.05.07

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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:

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1.471 sh 1.14.3

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1.472 supervisor 4.2.4

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* /opt/cola/permits/1827301020_1697881535.137695/0/proto-google-common-protos-2-22-0-jar/google/api/monitoring.proto

* /opt/cola/permits/1827301020_1697881535.137695/0/proto-google-common-protos-2-22-0-jar/google/type/expr.proto

* /opt/cola/permits/1827301020_1697881535.137695/0/proto-google-common-protos-2-22-0-jar/google/api/resource.proto

* /opt/cola/permits/1827301020_1697881535.137695/0/proto-google-common-protos-2-22-0-jar/google/api/visibility.proto

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* /opt/cola/permits/1827301020_1697881535.137695/0/proto-google-common-protos-2-22-0-jar/google/api/logging.proto

* /opt/cola/permits/1827301020_1697881535.137695/0/proto-google-common-protos-2-22-0-jar/google/api/backend.proto

* /opt/cola/permits/1827301020_1697881535.137695/0/proto-google-common-protos-2-22-0-jar/google/type/dayofweek.proto

* /opt/cola/permits/1827301020_1697881535.137695/0/proto-google-common-protos-2-22-0-jar/google/type/quaternion.proto

* /opt/cola/permits/1827301020_1697881535.137695/0/proto-google-common-protos-2-22-0-jar/google/api/auth.proto

* /opt/cola/permits/1827301020_1697881535.137695/0/proto-google-common-protos-2-22-0-jar/google/type/month.proto

* /opt/cola/permits/1827301020_1697881535.137695/0/proto-google-common-protos-2-22-0-jar/google/api/billing.proto

* /opt/cola/permits/1827301020_1697881535.137695/0/proto-google-common-protos-2-22-0-jar/google/api/annotations.proto

*

/opt/cola/permits/1827301020_1697881535.137695/0/proto-google-common-protos-2-22-0-jar/google/type/timeofday.proto

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jar/google/type/interval.proto
*
/opt/cola/permits/1827301020_1697881535.137695/0/proto-google-common-protos-2-22-0-
jar/google/api/control.proto

```

1.474 goprotobuf 1.5.3

1.474.1 Available under license :

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1.475 jetty 11.0.17

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The following dependencies
are EPL and CDDL 1.0.

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

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

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

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

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

The following dependencies are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

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- * org.apache.tomcat:tomcat-jasper

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

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- * org.eclipse.jetty.toolchain:jetty-schemas

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1.476 zookeeper-jute 3.9.1

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* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-jar/META-INF/maven/org.apache.zookeeper/zookeeper-jute/pom.xml
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*

/opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-jar/org/apache/jute/package.html

* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-jar/org/apache/jute/compiler/package.html

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* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-jar/org/apache/zookeeper/proto/GetACLRequest.java

*

/opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-jar/org/apache/zookeeper/proto/AddWatchRequest.java

* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-jar/org/apache/zookeeper/proto/CreateRequest.java

* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-jar/org/apache/zookeeper/proto/ConnectResponse.java

* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-

```

jar/org/apache/zookeeper/proto/DeleteRequest.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/zookeeper/proto/CheckVersionRequest.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/zookeeper/txn/CreateContainerTxn.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/zookeeper/txn/TxnHeader.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/zookeeper/data/ACL.java
*
/opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/zookeeper/proto/GetChildrenRequest.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/zookeeper/txn/SetDataTxn.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/zookeeper/data/StatPersisted.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/zookeeper/server/quorum/LearnerInfo.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/zookeeper/data/Id.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/zookeeper/txn/CreateSessionTxn.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/zookeeper/proto/GetAllChildrenNumberResponse.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/zookeeper/txn/SetMaxChildrenTxn.java
*
/opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/zookeeper/proto/SetDataResponse.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/zookeeper/proto/SetMaxChildrenRequest.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/zookeeper/proto/GetEphemeralsResponse.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/zookeeper/proto/GetChildren2Response.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/zookeeper/proto/SetSASLResponse.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/zookeeper/proto/ErrorResponse.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/zookeeper/proto/SetWatches.java
*
/opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/zookeeper/proto/GetACLResponse.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/zookeeper/server/quorum/QuorumAuthPacket.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/zookeeper/txn/CloseSessionTxn.java

```

* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
 jar/org/apache/zookeeper/proto/ExistsRequest.java
 * /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
 jar/org/apache/zookeeper/proto/ReplyHeader.java
 * /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
 jar/org/apache/zookeeper/proto/CheckWatchesRequest.java
 * /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
 jar/org/apache/zookeeper/proto/GetAllChildrenNumberRequest.java
 *
 /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
 jar/org/apache/zookeeper/proto/GetSASLRequest.java
 * /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
 jar/org/apache/zookeeper/proto/SetDataRequest.java
 * /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
 jar/org/apache/zookeeper/proto/RequestHeader.java
 * /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
 jar/org/apache/zookeeper/proto/MultiHeader.java
 * /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
 jar/org/apache/zookeeper/proto/SetWatches2.java
 * /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
 jar/org/apache/zookeeper/txn/ErrorTxn.java
 * /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
 jar/org/apache/zookeeper/proto/RemoveWatchesRequest.java
 * /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
 jar/org/apache/zookeeper/txn/CreateTTLTxn.java
 *
 /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
 jar/org/apache/zookeeper/txn/CheckVersionTxn.java
 * /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
 jar/org/apache/zookeeper/proto/ReconfigRequest.java
 * /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
 jar/org/apache/zookeeper/txn/DeleteTxn.java
 * /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
 jar/org/apache/zookeeper/proto/SetSASLRequest.java
 * /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
 jar/org/apache/zookeeper/proto/GetMaxChildrenRequest.java
 * /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
 jar/org/apache/zookeeper/proto/Create2Response.java
 * /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
 jar/org/apache/zookeeper/proto/GetDataRequest.java
 * /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
 jar/org/apache/zookeeper/proto/ConnectRequest.java
 *
 /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
 jar/org/apache/zookeeper/proto/CreateTTLRequest.java
 * /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
 jar/org/apache/zookeeper/proto/GetMaxChildrenResponse.java
 * /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-

jar/org/apache/zookeeper/txn/Txn.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/zookeeper/txn/TxnDigest.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/zookeeper/proto/GetChildrenResponse.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/zookeeper/proto/ExistsResponse.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/zookeeper/proto/GetDataResponse.java
*
/opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/zookeeper/data/ClientInfo.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/zookeeper/proto/SyncResponse.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/zookeeper/txn/CreateTxn.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/zookeeper/txn/MultiTxn.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/zookeeper/server/quorum/QuorumPacket.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/zookeeper/server/persistence/FileHeader.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/zookeeper/proto/WhoAmIResponse.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/zookeeper/proto/CreateResponse.java
*
/opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/zookeeper/proto/SetACLRequest.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/zookeeper/proto/AuthPacket.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/zookeeper/proto/GetEphemeralsRequest.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/zookeeper/proto/GetChildren2Request.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/zookeeper/txn/CreateTxnV0.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/zookeeper/proto/WatcherEvent.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/zookeeper/proto/SyncRequest.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/zookeeper/proto/SetACLResponse.java
*
/opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/zookeeper/txn/SetACLTxn.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
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```
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/jute/compiler/generated/Rcc.java
*
/opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/jute/compiler/generated/ParseException.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/jute/compiler/generated/RccConstants.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/jute/compiler/generated/RccTokenManager.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/jute/compiler/generated/SimpleCharStream.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/jute/compiler/generated/Token.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/jute/compiler/generated/TokenMgrError.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
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* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-jar/org/apache/jute/compiler/JByte.java
*
/opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-jar/org/apache/jute/compiler/JFloat.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-jar/org/apache/jute/compiler/JBuffer.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-jar/org/apache/jute/compiler/JavaGenerator.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-jar/org/apache/jute/compiler/JFile.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-jar/org/apache/jute/compiler/JVector.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-jar/org/apache/jute/compiler/JCompType.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-jar/org/apache/jute/compiler/JBoolean.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-jar/org/apache/jute/InputArchive.java
*
/opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-jar/org/apache/jute/Record.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-jar/org/apache/jute/compiler/JDouble.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-jar/org/apache/jute/Utils.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-jar/org/apache/jute/BinaryInputArchive.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-jar/org/apache/jute/RecordReader.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-jar/org/apache/jute/compiler/JInt.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-jar/org/apache/jute/compiler/JField.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-jar/org/apache/jute/compiler/CSharpGenerator.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-

```

jar/org/apache/jute/compiler/JMap.java
*
/opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/jute/compiler/CGenerator.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/jute/compiler/CppGenerator.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/jute/compiler/JString.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/jute/OutputArchive.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/jute/ToStringOutputArchive.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/jute/compiler/JLong.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/jute/Index.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/jute/compiler/JType.java
*
/opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/jute/RecordWriter.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/jute/compiler/JRecord.java
* /opt/cola/permits/1830968992_1698161320.8603377/0/zookeeper-jute-3-9-1-sources-
jar/org/apache/jute/BinaryOutputArchive.java

```

1.477 zookeeper 3.9.1

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```

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* /opt/cola/permits/1830968983_1698161324.2800689/0/vertx-service-discovery-backend-zookeeper-3-9-1-sources-jar/examples/package-info.java

* /opt/cola/permits/1830968983_1698161324.2800689/0/vertx-service-discovery-backend-zookeeper-3-9-1-sources-jar/io/vertx/servicediscovery/backend/zookeeper/package-info.java

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io.vertx.servicediscovery.backend.zookeeper.ZookeeperBackendService

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* /opt/cola/permits/1830968983_1698161324.2800689/0/vertx-service-discovery-backend-zookeeper-3-9-1-sources-jar/META-INF/services/io.vertx.servicediscovery.spi.ServiceDiscoveryBackend

1.478 wheel 0.41.3

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1.479 grpc-protobuf 1.59.0

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* /opt/cola/permits/1835870782_1698696786.0302851/0/grpc-protobuf-1-59-0-sources-jar/io/grpc/protobuf/ProtoUtils.java

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* /opt/cola/permits/1835870782_1698696786.0302851/0/grpc-protobuf-1-59-0-sources-jar/io/grpc/protobuf/ProtoFileDescriptorSupplier.java

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* /opt/cola/permits/1835870782_1698696786.0302851/0/grpc-protobuf-1-59-0-sources-jar/io/grpc/protobuf/ProtoMethodDescriptorSupplier.java

* /opt/cola/permits/1835870782_1698696786.0302851/0/grpc-protobuf-1-59-0-sources-jar/io/grpc/protobuf/package-info.java

* /opt/cola/permits/1835870782_1698696786.0302851/0/grpc-protobuf-1-59-0-sources-jar/io/grpc/protobuf/ProtoServiceDescriptorSupplier.java

*

/opt/cola/permits/1835870782_1698696786.0302851/0/grpc-protobuf-1-59-0-sources-jar/io/grpc/protobuf/StatusProto.java

1.480 nss 3.94-r0

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

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here. Please keep the list sorted by first names.

Ajay Joshi <jaj@google.com>

Balzs Dn <balazs.dan@gmail.com>

Benoit Sigoure <tsuna@google.com>

Bharat Mediratta <bharat@menalto.com>
Bogdan Piloca <boo@google.com>
Chandler Carruth <chandlerc@google.com>
Chris Prince <cprince@google.com>
Chris Taylor <taylorc@google.com>
Dan Egnor <egnor@google.com>
Dave MacLachlan <dmaclach@gmail.com>
David Anderson <danderson@google.com>
Dean Sturtevant
Eric Roman <eroman@chromium.org>
Gene Volovich <gv@cite.com>
Hady Zalek <hady.zalek@gmail.com>
Hal Burch <gmock@hburch.com>
Jeffrey Yasskin <jyasskin@google.com>
Jim Keller <jimkeller@google.com>
Joe Walnes <joe@truemesh.com>
Jon Wray <jwray@google.com>
Ji Sigursson <joi@google.com>
Keir Mierle <mierle@gmail.com>
Keith Ray <keith.ray@gmail.com>
Kenton Varda
<kenton@google.com>
Kostya Serebryany <kcc@google.com>
Krystian Kuzniarek <krystian.kuzniarek@gmail.com>
Lev Makhlis
Manuel Klimek <klimek@google.com>
Mario Tanev <radix@google.com>
Mark Paskin
Markus Heule <markus.heule@gmail.com>
Matthew Simmons <simmonmt@acm.org>
Mika Raento <mikie@iki.fi>
Mike Bland <mbland@google.com>
Mikls Fazekas <mfazekas@szemafor.com>
Neal Norwitz <nnorwitz@gmail.com>
Nermin Ozkiranartli <nermin@google.com>
Owen Carlsen <ocarlsen@google.com>
Paneendra Ba <paneendra@google.com>
Pasi Valminen <pasi.valminen@gmail.com>
Patrick Hanna <phanna@google.com>
Patrick Riley <pfr@google.com>
Paul Menage <menage@google.com>
Peter Kaminski <piotrk@google.com>
Piotr Kaminski <piotrk@google.com>
Preston Jackson <preston.a.jackson@gmail.com>
Rainer Klaffenboeck <rainer.klaffenboeck@dynatrace.com>
Russ Cox <rsc@google.com>
Russ Rufer <russ@pentad.com>
Sean McAfee <eefacm@gmail.com>

Sigurur sgeirsson <siggi@google.com>
Sverre Sundsdal <sundsda@gmail.com>
Takeshi Yoshino <tyoshino@google.com>
Tracy
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Vlad Losev <vladl@google.com>
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1.484 ssl-client 1.36.1-r5

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Julian Seward, Cambridge, UK.

jseward@bzip.org

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1.485 neo4j-java-driver 5.14.0

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```
<one line to give the program's name and a brief idea of what it does.>  
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```
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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
This is free software, and you are welcome to redistribute it  
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The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

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necessary. Here a sample; alter
the names:

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

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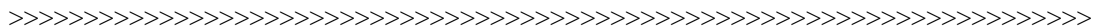
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1.490 wheel 0.41.2

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1.491 importlib-resources 5.4.0

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1.492 free-type 2.13.2-r0

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#
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/ftzrandom/ftzrandom.c

subprojects/dlg

EOF

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2006-Jan-27

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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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1.498 ca-certificates-bundle 20230506-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.
#
use Encode;
use Getopt::Std;
use MIME::Base64;
use strict;
```

```

use warnings;
use vars qw($opt_b $opt_d $opt_f $opt_h $opt_i $opt_k $opt_l $opt_m $opt_n $opt_p $opt_q $opt_s $opt_t $opt_u
$opt_v $opt_w);
use List::Util;
use Text::Wrap;
use Time::Local;
my $MOD_SHA = "Digest::SHA";
eval "require
$MOD_SHA";
if ($@) {
$MOD_SHA = "Digest::SHA::PurePerl";
eval "require $MOD_SHA";
}
eval "require LWP::UserAgent";

my %urls = (
'nss' =>
'https://hg.mozilla.org/projects/nss/raw-file/default/lib/ckfw/builtins/certdata.txt',
'central' =>
'https://hg.mozilla.org/mozilla-central/raw-file/default/security/nss/lib/ckfw/builtins/certdata.txt',
'beta' =>
'https://hg.mozilla.org/releases/mozilla-beta/raw-file/default/security/nss/lib/ckfw/builtins/certdata.txt',
'release' =>
'https://hg.mozilla.org/releases/mozilla-release/raw-file/default/security/nss/lib/ckfw/builtins/certdata.txt',
);

$opt_d = 'release';

# If the OpenSSL commandline is not in search path you can configure it here!
my $openssl = 'openssl';

my $version = '1.27';

$opt_w = 76; # default base64 encoded lines length

# default cert types to include in the output (default is to include CAs which may issue SSL server certs)
my $default_mozilla_trust_purposes = "SERVER_AUTH";
my $default_mozilla_trust_levels
= "TRUSTED_DELEGATOR";
$opt_p = $default_mozilla_trust_purposes . ":" . $default_mozilla_trust_levels;

my @valid_mozilla_trust_purposes = (
"DIGITAL_SIGNATURE",
"NON_REPUDIATION",
"KEY_ENCIPHERMENT",
"DATA_ENCIPHERMENT",
"KEY_AGREEMENT",
"KEY_CERT_SIGN",

```



```

"CRL_SIGN",
"SERVER_AUTH",
"CLIENT_AUTH",
"CODE_SIGNING",
"EMAIL_PROTECTION",
"IPSEC_END_SYSTEM",
"IPSEC_TUNNEL",
"IPSEC_USER",
"TIME_STAMPING",
"STEP_UP_APPROVED"
);

my @valid_mozilla_trust_levels = (
"TRUSTED_DELEGATOR", # CAs
"NOT_TRUSTED",      # Don't trust these certs.
"MUST_VERIFY_TRUST", # This explicitly tells us that it ISN'T a CA but is otherwise ok. In other words, this
                    # should tell the app to ignore any other sources that claim this is a CA.
"TRUSTED"          # This cert is trusted, but only for itself and not for delegates (i.e. it is not a CA).
);

my $default_signature_algorithms = $opt_s = "MD5";

my @valid_signature_algorithms = (
"MD5",
"SHA1",
"SHA256",
"SHA384",
"SHA512"
);

$0 =~ s@.*(\/\)\)\@ @;
$Getopt::Std::STANDARD_HELP_VERSION = 1;
getopts('bd:fhiklmnp:qs:tuvw:');

if(!defined($opt_d)) {
    # to make plain "-d" use not cause warnings, and actually still work
    $opt_d = 'release';
}

# Use predefined URL or else custom URL specified on command line.
my $url;
if(defined($urls{$opt_d})) {
    $url = $urls{$opt_d};
    if(!$opt_k && $url !~ /^https:\//i) {
        die "The URL for '$opt_d' is not HTTPS. Use -k to override (insecure).\n";
    }
}
else {

```

```

$url = $opt_d;
}

my $curl = `curl -V`;

if ($opt_i) {
print ("=" x 78 . "\n");
print "Script Version      : $version\n";
print "Perl Version        : $]\n";
print "Operating System Name  : $^O\n";
print "Getopt::Std.pm Version   : ${Getopt::Std::VERSION}\n";
print "Encode::Encoding.pm Version : ${Encode::Encoding::VERSION}\n";
print "MIME::Base64.pm Version   : ${MIME::Base64::VERSION}\n";
print "LWP::UserAgent.pm
Version      : ${LWP::UserAgent::VERSION}\n" if($LWP::UserAgent::VERSION);
print "LWP.pm Version      : ${LWP::VERSION}\n" if($LWP::VERSION);
print "Digest::SHA.pm Version      : ${Digest::SHA::VERSION}\n" if ($Digest::SHA::VERSION);
print "Digest::SHA::PurePerl.pm Version : ${Digest::SHA::PurePerl::VERSION}\n" if
($Digest::SHA::PurePerl::VERSION);
print ("=" x 78 . "\n");
}

sub warning_message() {
if ( $opt_d =~ m/^risk$/i ) { # Long Form Warning and Exit
print "Warning: Use of this script may pose some risk:\n";
print "\n";
print " 1) If you use HTTP URLs they are subject to a man in the middle attack\n";
print " 2) Default to 'release', but more recent updates may be found in other trees\n";
print " 3) certdata.txt file format may change, lag time to update this script\n";
print " 4) Generally unwise to blindly trust CAs without manual review & verification\n";
print " 5) Mozilla apps use additional security
checks aren't represented in certdata\n";
print " 6) Use of this script will make a security engineer grind his teeth and\n";
print "    swear at you. );\n";
exit;
} else { # Short Form Warning
print "Warning: Use of this script may pose some risk, -d risk for more details.\n";
}
}

sub HELP_MESSAGE() {
print "Usage: t${0} [-b] [-d<certdata>] [-f] [-i] [-k] [-l] [-n] [-p<purposes:levels>] [-q] [-s<algorithms>] [-t] [-u] [-
v] [-w<l>] [<outputfile>]\n";
print "\t-b\tbackup an existing version of ca-bundle.crt\n";
print "\t-d\tspecify Mozilla tree to pull certdata.txt or custom URL\n";
print "\t\t Valid names are:\n";
print "\t\t  , join( " , " , map { ( $_ =~ m/$opt_d/ ) ? "$_ (default)" : "$_" } sort keys %urls ), "\n";
print "\t-f\tforce rebuild even if certdata.txt is current\n";

```



```

my $description = shift;
my $param_string = shift;
my @valid_values = @_;

my @values = map {
    s/^\s+//; # strip leading spaces
    s/\s+$//; # strip trailing spaces
    uc $_     # return the modified string as upper case
} split( ',', $param_string );

# Find all values which are not in the list of valid values or "ALL"
my @invalid = grep { !is_in_list($_,"ALL",@valid_values) } @values;

if ( scalar(@invalid) > 0 ) {
    # Tell the user which parameters were invalid and print the standard help message which will exit
    print "Error: Invalid ", $description, scalar(@invalid) == 1 ? " : " : "s: ", join( ", ", map { "\"$_\""} @invalid ),
    "\n";
    HELP_MESSAGE();
}

@values = @valid_values if ( is_in_list("ALL",@values) );

return @values;
}

sub sha256 {
my $result;
if ($Digest::SHA::VERSION || $Digest::SHA::PurePerl::VERSION) {
    open(FILE, $_[0]) or die "Can't open '$_[0]': $!";
    binmode(FILE);
    $result = $MOD_SHA->new(256)->addfile(*FILE)->hexdigest;
    close(FILE);
} else {
    # Use OpenSSL command if Perl Digest::SHA modules not available
    $result = `"$openssl" dgst -r -sha256 "$_[0]"`;
    $result =~ s/^\s*([0-9a-f]{64}) .+/$1/;
}
return $result;
}

sub oldhash {
my $hash = "";
open(C, "<$_[0]") || return 0;
while(<C>) {
    chomp;
    if($_ =~ /^#\s*SHA256: (.*)/) {
        $hash = $1;
    }
}
}

```

```

    last;
  }
}
close(C);
return $hash;
}

if ( $opt_p !~ m:/ ) {
  print "Error: Mozilla trust identifier list must include both purposes and levels\n";
  HELP_MESSAGE();
}

(my $included_mozilla_trust_purposes_string, my $included_mozilla_trust_levels_string) = split( ':', $opt_p );
my @included_mozilla_trust_purposes = parse_csv_param( "trust purpose",
$included_mozilla_trust_purposes_string, @valid_mozilla_trust_purposes );
my @included_mozilla_trust_levels = parse_csv_param( "trust level", $included_mozilla_trust_levels_string,
@valid_mozilla_trust_levels );

my @included_signature_algorithms = parse_csv_param( "signature algorithm", $opt_s,
@valid_signature_algorithms );

sub should_output_cert(%) {
  my
  %trust_purposes_by_level = @_;

  foreach my $level (@included_mozilla_trust_levels) {
    # for each level we want to output, see if any of our desired purposes are included
    return 1 if ( defined( List::Util::first { is_in_list( $_, @included_mozilla_trust_purposes ) }
@{ $trust_purposes_by_level{ $level } } ) );
  }

  return 0;
}

my $crt = $ARGV[0] || 'ca-bundle.crt';
(my $txt = $url) =~ s@(.*/|\?.*)@@g;

my $stdout = $crt eq '-';
my $resp;
my $fetched;

my $oldhash = oldhash($crt);

report "SHA256 of old file: $oldhash";

if(!$opt_n) {
  report "Downloading $txt ...";
}

```

```

# If we have an HTTPS URL then use curl
if($url =~ /^https:\//i) {
  if($curl) {
    if($curl =~ /^Protocols:.* https(|$)/m) {
      report "Get certdata with curl!";
      my $proto = !$opt_k ? "--proto=https" : "";
      my $quiet = $opt_q ? "-s" : "";
      my @out = `curl -w %{response_code} $proto $quiet -o "$txt" "$url"`;
      if(!$_? && @out && $out[0] == 200) {
        $fetched = 1;
        report "Downloaded $txt";
      }
    }
    else {
      report "Failed downloading via HTTPS with curl!";
      if(-e $txt && !unlink($txt)) {
        report "Failed to remove '$txt': $!";
      }
    }
  }
  else {
    report "curl lacks https support";
  }
}
else {
  report "curl not found";
}
}

# If nothing was fetched then use LWP
if(!$fetched) {
  if($url =~ /^https:\//i) {
    report "Falling back to HTTP";
    $url =~ s/^https:\//http:\//i;
  }
  if(!$opt_k) {
    report "URLs other than HTTPS are disabled by default, to enable use -k";
    exit 1;
  }
  report "Get certdata with LWP!";
  if(!defined(${LWP::UserAgent::VERSION})) {
    report "LWP is not available (LWP::UserAgent not found)";
    exit 1;
  }
  my $ua = new LWP::UserAgent(agent => "$0/$version");
  $ua->env_proxy();
  $resp = $ua->mirror($url, $txt);
  if($resp && $resp->code eq '304') {
    report "Not modified";
  }
}

```

```

    exit 0 if -e $crt && !$opt_f;
}
else {
    $fetched = 1;
    report "Downloaded $txt";
}
if(!$resp || $resp->code !~ /^(?:200|304)$/) {
    report "Unable to download latest data: "
        . ($resp? $resp->code . ' - ' . $resp->message : "LWP failed");
    exit 1 if -e $crt || !-r $txt;
}
}
}

my $filedate = $resp ? $resp->last_modified : (stat($txt))[9];
my $datesrc = "as of";
if(!$filedate) {
    # mxr.mozilla.org gave us a time, hg.mozilla.org does not!
    $filedate = time();
    $datesrc="downloaded on";
}

# get the hash from the download file
my $newhash= sha256($txt);

if(!$opt_f && $oldhash eq $newhash) {
    report "Downloaded file identical to previous run's source file. Exiting";
    if($opt_u && -e $txt && !unlink($txt)) {
        report "Failed to remove $txt: $!\n";
    }
    exit;
}

report "SHA256 of new file: $newhash";

my $currentdate = scalar gmtime($filedate);

my $format = $opt_t ? "plain text and " : "";
if( $stdout
) {
    open(CRT, '> -') or die "Couldn't open STDOUT: $!\n";
} else {
    open(CRT, ">$crt.~") or die "Couldn't open $crt.~: $!\n";
}
print CRT <<EOT;
##
## Bundle of CA Root Certificates
##

```

```

## Certificate data from Mozilla ${datesrc}: ${currentdate} GMT
##
## 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:
## ${url}
##
## It contains the certificates in ${format}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.
##
## Conversion done with mk-ca-bundle.pl version $version.
## SHA256: $newhash
##

```

EOT

```

report "Processing '$txt' ...";
my $scaname;
my $certnum = 0;
my $skipnum = 0;
my $start_of_cert = 0;
my @precert;
my $cka_value;
my $valid = 1;

open(TXT,"$txt")
or die "Couldn't open $txt: $!\n";
while (<TXT>) {
if (/^\*\*\*\* BEGIN LICENSE BLOCK \*\*\*\*$/) {
print CRT;
print if ($opt_l);
while (<TXT>) {
print CRT;
print if ($opt_l);
last if (/^\*\*\*\* END LICENSE BLOCK \*\*\*\*$/);
}
}
}
elsif(/^# (Issuer|Serial Number|Subject|Not Valid Before|Not Valid After |Fingerprint \|(MD5)|Fingerprint
\|(SHA1)):/) {
push @precert, $_;
$valid = 1;
next;
}
elsif(/^#\^s*$/) {
undef @precert;
next;
}

```



```

}
chomp;

# Example:
# CKA_NSS_SERVER_DISTRICT_AFTER MULTILINE_OCTAL
# \062\060\060\066\061\067\060\060\060\060\060\060\132
# END

if (/^CKA_NSS_SERVER_DISTRICT_AFTER (CK_BBOOL CK_FALSE|MULTILINE_OCTAL)/) {
    if($1 eq "MULTILINE_OCTAL") {
        my @timestamp;
        while (<TXT>) {
            last if (/^END/);
            chomp;
            my @octets = split(/\//);
            shift @octets;
            for (@octets) {
                push
@timestamp, chr(oct);
            }
        }
        # A trailing Z in the timestamp signifies UTC
        if($timestamp[12] ne "Z") {
            report "distrust date stamp is not using UTC";
        }
        # Example date: 200617000000Z
        # Means 2020-06-17 00:00:00 UTC
        my $distrustat =
            timegm($timestamp[10] . $timestamp[11], # second
                $timestamp[8] . $timestamp[9], # minute
                $timestamp[6] . $timestamp[7], # hour
                $timestamp[4] . $timestamp[5], # day
                ($timestamp[2] . $timestamp[3]) - 1, # month
                "20" . $timestamp[0] . $timestamp[1]); # year
        if(time >= $distrustat) {
            # not trusted anymore
            $skipnum++;
            report "Skipping: $scaname is not trusted anymore" if ($opt_v);
            $valid = 0;
        }
        else {
            # still trusted
        }
    }
    next;
}

# this

```

```

is a match for the start of a certificate
if (/^CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE/) {
    $start_of_cert = 1
}
if ($start_of_cert && /^CKA_LABEL UTF8 \"(.*)\"/) {
    $scaname = $1;
}
my %trust_purposes_by_level;
if ($start_of_cert && /^CKA_VALUE MULTILINE_OCTAL/) {
    $sca_value="";
    while (<TXT>) {
        last if (/^END/);
        chomp;
        my @octets = split(/\//);
        shift @octets;
        for (@octets) {
            $sca_value .= chr(oct);
        }
    }
}
if(/^CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST/ && $valid) {
    # now scan the trust part to determine how we should trust this cert
    while (<TXT>) {
        last if (/^#/);
        if (/^CKA_TRUST_([A-Z_]+)\s+CK_TRUST\s+CKT_NSS_([A-Z_]+)\s*$/) {
            if ( !is_in_list($1,@valid_mozilla_trust_purposes) ) {
                report "Warning: Unrecognized trust purpose for cert: $scaname. Trust purpose: $1. Trust Level: $2";
            } elsif ( !is_in_list($2,@valid_mozilla_trust_levels) ) {
                report "Warning:
Unrecognized trust level for cert: $scaname. Trust purpose: $1. Trust Level: $2";
            } else {
                push @{$trust_purposes_by_level{$2}}, $1;
            }
        }
    }
}

if ( !should_output_cert(%trust_purposes_by_level) ) {
    $skipnum ++;
    report "Skipping: $scaname" if ($opt_v);
} else {
    my $data = $sca_value;
    $sca_value = "";
    my $encoded = MIME::Base64::encode_base64($data, "");
    $encoded =~ s/(.{1,$opt_w})/$1\n/g;
    my $pem = "-----BEGIN CERTIFICATE-----\n"
        . $encoded
        . "-----END CERTIFICATE-----\n";
    print CRT "\n$scaname\n";
}

```

```

print CRT @precert if($opt_m);
my $maxLength = length(decode('UTF-8', $scaname, Encode::FB_CROAK | Encode::LEAVE_SRC));
if ($opt_t) {
    foreach my $key (keys %trust_purposes_by_level) {
        my $string = $key . ": " . join(" ", @{$trust_purposes_by_level{$key}});
        $maxLength = List::Util::max( length($string), $maxLength );
    };
    print CRT $string . "\n";
}
print CRT ("=" x $maxLength . "\n");
if (!$opt_t) {
    print CRT $pem;
} else {
    my $pipe = "";
    foreach my $hash (@included_signature_algorithms) {
        $pipe = "|$openssl x509 -" . $hash . " -fingerprint -noout -inform PEM";
        if (!$stdout) {
            $pipe .= " >> $cert.~";
            close(CRT) or die "Couldn't close $cert.~: $!";
        }
        open(TMP, $pipe) or die "Couldn't open openssl pipe: $!";
        print TMP $pem;
        close(TMP) or die "Couldn't close openssl pipe: $!";
        if (!$stdout) {
            open(CRT, ">>$cert.~") or die "Couldn't open $cert.~: $!";
        }
    }
    $pipe = "|$openssl x509 -text -inform PEM";
    if (!$stdout) {
        $pipe .= " >> $cert.~";
        close(CRT) or die "Couldn't close $cert.~: $!";
    }
    open(TMP, $pipe) or die "Couldn't open openssl pipe: $!";
    print TMP
    $pem;
    close(TMP) or die "Couldn't close openssl pipe: $!";
    if (!$stdout) {
        open(CRT, ">>$cert.~") or die "Couldn't open $cert.~: $!";
    }
}
report "Parsing: $scaname" if ($opt_v);
$certnum++;
$start_of_cert = 0;
}
undef @precert;
}

```

```

}
close(TXT) or die "Couldn't close $txt: $!\n";
close(CRT) or die "Couldn't close $crt: $!\n";
unless( $stdout ) {
    if ($opt_b && -e $crt) {
        my $bk = 1;
        while (-e "$crt.~${bk}~") {
            $bk++;
        }
        rename $crt, "$crt.~${bk}~" or die "Failed to create backup $crt.~$bk}~: $!\n";
    } elsif( -e $crt ) {
        unlink( $crt ) or die "Failed to remove $crt: $!\n";
    }
    rename "$crt.~", $crt or die "Failed to rename $crt.~ to $crt: $!\n";
}
if($opt_u && -e $txt && !unlink($txt)) {
    report "Failed to remove $txt: $!\n";
}
report "Done ($certnum CA certs processed, $skipnum skipped).";

```

Found in path(s):

```

* /opt/cola/permits/1897618148_1706645253.9291418/0/ca-certificates-bundle-20230506-r0-os-alpine-3-18-0-tar-
xz/ca-certificates-20230506-tar-bz2/ca-certificates-20230506/mk-ca-bundle.pl

```

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

```

#
# This Source Code Form is subject to the terms of the Mozilla Public
# License, v. 2.0. If a copy of the MPL was not distributed with this
# file, You can obtain one at http://mozilla.org/MPL/2.0/.

```

```

#
# certdata.txt
#
# This file contains the object definitions for the certs and other
# information "built into" NSS.
#
# Object definitions:
#
# Certificates
#
# -- Attribute --      -- type --      -- value --
# CKA_CLASS            CK_OBJECT_CLASS  CKO_CERTIFICATE
# CKA_TOKEN            CK_BBOOL      CK_TRUE
# CKA_PRIVATE          CK_BBOOL      CK_FALSE
# CKA_MODIFIABLE       CK_BBOOL      CK_FALSE
# CKA_LABEL            UTF8          (varies)
# CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
# CKA_SUBJECT          DER+base64    (varies)

```

```

# CKA_ID          byte array      (varies)
#
# CKA_ISSUER      DER+base64      (varies)
# CKA_SERIAL_NUMBER  DER+base64    (varies)
# CKA_VALUE       DER+base64      (varies)
# CKA_NSS_EMAIL   ASCII7         (unused here)
# CKA_NSS_SERVER_DISTRUST_AFTER DER+base64    (varies)
# CKA_NSS_EMAIL_DISTRUST_AFTER DER+base64    (varies)
#
# Trust
#
# -- Attribute --      -- type --      -- value --
# CKA_CLASS           CK_OBJECT_CLASS  CKO_TRUST
# CKA_TOKEN           CK_BBOOL        CK_TRUE
# CKA_PRIVATE         CK_BBOOL        CK_FALSE
# CKA_MODIFIABLE      CK_BBOOL        CK_FALSE
# CKA_LABEL           UTF8            (varies)
# CKA_ISSUER          DER+base64      (varies)
# CKA_SERIAL_NUMBER   DER+base64      (varies)
# CKA_CERT_HASH       binary+base64   (varies)
# CKA_EXPIRES         CK_DATE
(not used here)
# CKA_TRUST_DIGITAL_SIGNATURE CK_TRUST      (varies)
# CKA_TRUST_NON_REPUDIATION  CK_TRUST      (varies)
# CKA_TRUST_KEY_ENCIPHERMENT CK_TRUST      (varies)
# CKA_TRUST_DATA_ENCIPHERMENT CK_TRUST      (varies)
# CKA_TRUST_KEY_AGREEMENT   CK_TRUST      (varies)
# CKA_TRUST_KEY_CERT_SIGN   CK_TRUST      (varies)
# CKA_TRUST_CRL_SIGN        CK_TRUST      (varies)
# CKA_TRUST_SERVER_AUTH     CK_TRUST      (varies)
# CKA_TRUST_CLIENT_AUTH     CK_TRUST      (varies)
# CKA_TRUST_CODE_SIGNING    CK_TRUST      (varies)
# CKA_TRUST_EMAIL_PROTECTION CK_TRUST      (varies)
# CKA_TRUST_IPSEC_END_SYSTEM CK_TRUST      (varies)
# CKA_TRUST_IPSEC_TUNNEL    CK_TRUST      (varies)
# CKA_TRUST_IPSEC_USER      CK_TRUST      (varies)
# CKA_TRUST_TIME_STAMPING   CK_TRUST      (varies)
# CKA_TRUST_STEP_UP_APPROVED CK_BBOOL      (varies)
# (other
trust attributes can be defined)
#
#
# The object to tell NSS that this is a root list and we don't
# have to go looking for others.
#
BEGINDATA
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_BUILTIN_ROOT_LIST

```

```

CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Mozilla Builtin Roots"

#
# Certificate "GlobalSign Root CA"
#
# Issuer: CN=GlobalSign Root CA,OU=Root CA,O=GlobalSign nv-sa,C=BE
# Serial Number:04:00:00:00:00:01:15:4b:5a:c3:94
# Subject: CN=GlobalSign Root CA,OU=Root CA,O=GlobalSign nv-sa,C=BE
# Not Valid Before: Tue Sep 01 12:00:00 1998
# Not Valid After : Fri Jan 28 12:00:00 2028
# Fingerprint (SHA-256):
EB:D4:10:40:E4:BB:3E:C7:42:C9:E3:81:D3:1E:F2:A4:1A:48:B6:68:5C:96:E7:CE:F3:C1:DF:6C:D4:33:1C:99
# Fingerprint (SHA1): B1:BC:96:8B:D4:F4:9D:62:2A:A8:9A:81:F2:15:01:52:A4:1D:82:9C
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "GlobalSign
Root CA"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\127\061\013\060\011\006\003\125\004\006\023\002\102\105\061
\031\060\027\006\003\125\004\012\023\020\107\154\157\142\141\154
\123\151\147\156\040\156\166\055\163\141\061\020\060\016\006\003
\125\004\013\023\007\122\157\157\164\040\103\101\061\033\060\031
\006\003\125\004\003\023\022\107\154\157\142\141\154\123\151\147
\156\040\122\157\157\164\040\103\101
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\127\061\013\060\011\006\003\125\004\006\023\002\102\105\061
\031\060\027\006\003\125\004\012\023\020\107\154\157\142\141\154
\123\151\147\156\040\156\166\055\163\141\061\020\060\016\006\003
\125\004\013\023\007\122\157\157\164\040\103\101\061\033\060\031
\006\003\125\004\003\023\022\107\154\157\142\141\154\123\151\147
\156\040\122\157\157\164\040\103\101
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\013\004\000\000\000\000\001\025\113\132\303\224
END
CKA_VALUE MULTILINE_OCTAL
\060\202\003\165\060\202\002\135\240\003\002\001\002\002\013\004
\000\000\000\000\001\025\113\132\303\224\060\015\006\011\052\206
\110\206\367\015\001\001\005\005\000\060\127\061\013\060\011\006
\003\125\004\006\023\002\102\105\061\031\060\027\006\003\125\004

```

\012\023\020\107\154\157\142\141\154\123\151\147\156\040\156\166
\055\163\141\061\020\060\016\006\003\125\004\013\023\007\122\157
\157\164\040\103\101\061\033\060\031\006\003\125\004\003\023\022
\107\154\157\142\141\154\123\151\147\156\040\122\157\157\164\040
\103\101\060\036\027\015\071\070\060\071\060\061\061\062\060\060
\060\060\132\027\015\062\070\060\061\062\070\061\062\060\060\060
\060\132\060\127\061\013\060\011\006\003\125\004\006\023\002\102
\105\061\031\060\027\006\003\125\004\012\023\020\107\154\157\142
\141\154\123\151\147\156\040\156\166\055\163\141\061\020\060\016
\006\003\125\004\013\023\007\122\157\157\164\040\103\101\061\033
\060\031\006\003\125\004\003\023\022\107\154\157\142\141\154\123
\151\147\156\040\122\157\157\164\040\103\101\060\202\001\042\060
\015\006\011\052\206\110\206\367\015\001\001\001\005\000\003\202
\001\017\000\060\202\001\012\002\202\001\001\000\332\016\346\231
\215\316\243\343\117\212\176\373\361\213\203\045\153\352\110\037
\361\052\260\271\225\021\004\275\360\143\321\342\147\146\317\034
\335\317\033\110\053\356\215\211\216\232\257\051\200\145\253\351
\307\055\022\313\253\034\114\160\007\241\075\012\060\315\025\215
\117\370\335\324\214\120\025\034\357\120\356\304\056\367\374\351
\122\362\221\175\340\155\325\065\060\216\136\103\163\362\101\351
\325\152\343\262\211\072\126\071\070\157\006\074\210\151\133\052
\115\305\247\124\270\154\211\314\233\371\074\312\345\375\211\365
\022\074\222\170\226\326\334\164\156\223\104\141\321\215\307\106
\262\165\016\206\350\031\212\325\155\154\325\170\026\225\242\351
\310\012\070\353\362\044\023\117\163\124\223\023\205\072\033\274
\036\064\265\213\005\214\271\167\213\261\333\037\040\221\253\011
\123\156\220\316\173\067\164\271\160\107\221\042\121\143\026\171
\256\261\256\101\046\010\310\031\053\321\106\252\110\326\144\052
\327\203\064\377\054\052\301\154\031\103\112\007\205\347\323\174
\366\041\150\357\352\362\122\237\177\223\220\317\002\003\001\000
\001\243\102\060\100\060\016\006\003\125\035\017\001\001\377\004
\004\003\002\001\006\060\017\006\003\125\035\023\001\001\377\004
\005\060\003\001\001\377\060\035\006\003\125\035\016\004\026\004
\024\140\173\146\032\105\015\227\312\211\120\057\175\004\315\064
\250\377\374\375\113\060\015\006\011\052\206\110\206\367\015\001
\001\005\005\000\003\202\001\001\000\326\163\347\174\117\166\320
\215\277\354\272\242\276\064\305\050\062\265\174\374\154\234\054
\053\275\011\236\123\277\153\136\252\021\110\266\345\010\243\263
\312\075\141\115\323\106\011\263\076\303\240\343\143\125\033\362
\272\357\255\071\341\103\271\070\243\346\057\212\046\073\357\240
\120\126\371\306\012\375\070\315\304\013\160\121\224\227\230\004
\337\303\137\224\325\025\311\024\101\234\304\135\165\144\025\015
\377\125\060\354\206\217\377\015\357\054\271\143\106\366\252\374
\337\274\151\375\056\022\110\144\232\340\225\360\246\357\051\217
\001\261\025\265\014\035\245\376\151\054\151\044\170\036\263\247
\034\161\142\356\312\310\227\254\027\135\212\302\370\107\206\156
\052\304\126\061\225\320\147\211\205\053\371\154\246\135\106\235
\014\252\202\344\231\121\335\160\267\333\126\075\141\344\152\341

```
\134\326\366\376\075\336\101\314\007\256\143\122\277\123\123\364
\053\351\307\375\266\367\202\137\205\322\101\030\333\201\263\004
\034\305\037\244\200\157\025\040\311\336\014\210\012\035\326\146
\125\342\374\110\311\051\046\151\340
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "GlobalSign Root CA"

Issuer: CN=GlobalSign Root CA,OU=Root CA,O=GlobalSign nv-sa,C=BE

Serial Number:04:00:00:00:01:15:4b:5a:c3:94

Subject: CN=GlobalSign Root CA,OU=Root CA,O=GlobalSign nv-sa,C=BE

Not Valid Before: Tue Sep 01 12:00:00 1998

#

Not Valid After : Fri Jan 28 12:00:00 2028

Fingerprint (SHA-256):

EB:D4:10:40:E4:BB:3E:C7:42:C9:E3:81:D3:1E:F2:A4:1A:48:B6:68:5C:96:E7:CE:F3:C1:DF:6C:D4:33:1C:99

Fingerprint (SHA1): B1:BC:96:8B:D4:F4:9D:62:2A:A8:9A:81:F2:15:01:52:A4:1D:82:9C

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "GlobalSign Root CA"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\261\274\226\213\324\364\235\142\052\250\232\201\362\025\001\122
\244\035\202\234
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\076\105\122\025\011\121\222\341\267\135\067\237\261\207\051\212
```

END

CKA_ISSUER MULTILINE_OCTAL

```
\060\127\061\013\060\011\006\003\125\004\006\023\002\102\105\061
\031\060\027\006\003\125\004\012\023\020\107\154\157\142\141\154
\123\151\147\156\040\156\166\055\163\141\061\020\060\016\006\003
\125\004\013\023\007\122\157\157\164\040\103\101\061\033\060\031
\006\003\125\004\003\023\022\107\154\157\142\141\154\123\151\147
\156\040\122\157\157\164\040\103\101
```

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

```
\002\013\004\000\000\000\000\001\025\113\132\303\224
```

END

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE


```

#
# Certificate "Verisign Class 1 Public Primary Certification Authority - G3"
#
# Issuer: CN=VeriSign Class 1 Public Primary Certification Authority - G3,OU="(c) 1999 VeriSign, Inc. - For
authorized use only",OU=VeriSign Trust Network,O="VeriSign, Inc.",C=US
# Serial Number:00:8b:5b:75:56:84:54:85:0b:00:cf:af:38:48:ce:b1:a4
# Subject: CN=VeriSign Class 1 Public Primary Certification Authority - G3,OU="(c) 1999 VeriSign, Inc. - For
authorized use only",OU=VeriSign Trust Network,O="VeriSign, Inc.",C=US
# Not Valid Before: Fri Oct 01 00:00:00 1999
# Not Valid After : Wed Jul 16 23:59:59 2036
# Fingerprint (SHA-256):
CB:B5:AF:18:5E:94:2A:24:02:F9:EA:CB:C0:ED:5B:B8:76:EE:A3:C1:22:36:23:D0:04:47:E4:F3:BA:55:4B:65
#
Fingerprint (SHA1): 20:42:85:DC:F7:EB:76:41:95:57:8E:13:6B:D4:B7:D1:E9:8E:46:A5
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Verisign Class 1 Public Primary Certification Authority - G3"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\312\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\027\060\025\006\003\125\004\012\023\016\126\145\162\151\123
\151\147\156\054\040\111\156\143\056\061\037\060\035\006\003\125
\004\013\023\026\126\145\162\151\123\151\147\156\040\124\162\165
\163\164\040\116\145\164\167\157\162\153\061\072\060\070\006\003
\125\004\013\023\061\050\143\051\040\061\071\071\071\040\126\145
\162\151\123\151\147\156\054\040\111\156\143\056\040\055\040\106
\157\162\040\141\165\164\150\157\162\151\172\145\144\040\165\163
\145\040\157\156\154\171\061\105\060\103\006\003\125\004\003\023
\074\126\145\162\151\123\151\147\156\040\103\154\141\163\163\040
\061\040\120\165\142\154\151\143\040\120\162\151\155\141\162\171
\040\103\145\162\164\151\146\151\143\141\164\151\157\156\040\101
\165\164\150\157\162\151\164\171\040\055\040\107\063
END
CKA_ID
UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\201\312\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\027\060\025\006\003\125\004\012\023\016\126\145\162\151\123
\151\147\156\054\040\111\156\143\056\061\037\060\035\006\003\125
\004\013\023\026\126\145\162\151\123\151\147\156\040\124\162\165
\163\164\040\116\145\164\167\157\162\153\061\072\060\070\006\003
\125\004\013\023\061\050\143\051\040\061\071\071\071\040\126\145
\162\151\123\151\147\156\054\040\111\156\143\056\040\055\040\106
\157\162\040\141\165\164\150\157\162\151\172\145\144\040\165\163
\145\040\157\156\154\171\061\105\060\103\006\003\125\004\003\023

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\074\126\145\162\151\123\151\147\156\040\103\154\141\163\163\040
\061\040\120\165\142\154\151\143\040\120\162\151\155\141\162\171
\040\103\145\162\164\151\146\151\143\141\164\151\157\156\040\101
\165\164\150\157\162\151\164\171\040\055\040\107\063

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

\002\021\000\213\133\165\126\204\124\205\013\000\317\257\070\110
\316\261\244

END

CKA_VALUE MULTILINE_OCTAL

\060\202\004\032\060\202\003\002\002\021\000\213\133\165\126\204
\124\205\013\000\317\257\070\110\316\261\244\060\015\006\011\052
\206\110\206\367\015\001\001\005\005\000\060\201\312\061\013\060
\011\006\003\125\004\006\023\002\125\123\061\027\060\025\006\003
\125\004\012\023\016\126\145\162\151\123\151\147\156\054\040\111
\156\143\056\061\037\060\035\006\003\125\004\013\023\026\126\145
\162\151\123\151\147\156\040\124\162\165\163\164\040\116\145\164
\167\157\162\153\061\072\060\070\006\003\125\004\013\023\061\050
\143\051\040\061\071\071\071\040\126\145\162\151\123\151\147\156
\054\040\111\156\143\056\040\055\040\106\157\162\040\141\165\164
\150\157\162\151\172\145\144\040\165\163\145\040\157\156\154\171
\061\105\060\103\006\003\125\004\003\023\074\126\145\162\151\123
\151\147\156\040\103\154\141\163\163\040\061\040\120\165\142\154
\151\143\040\120\162\151\155\141\162\171\040\103\145\162\164\151
\146\151\143\141\164\151\157\156\040\101\165\164\150\157\162\151
\164\171\040\055\040\107\063\060\036\027\015\071\071\061\060\060
\061\060\060\060\060\060\060\132\027\015\063\066\060\067\061\066
\062\063\065\071\065\071\132\060\201\312\061\013\060\011\006\003
\125\004\006\023\002\125\123\061\027\060\025\006\003\125\004\012
\023\016\126\145\162\151\123\151\147\156\054\040\111\156\143\056
\061\037\060\035\006\003\125\004\013\023\026\126\145\162\151\123
\151\147\156\040\124\162\165\163\164\040\116\145\164\167\157\162
\153\061\072\060\070\006\003\125\004\013\023\061\050\143\051\040
\061\071\071\071\040\126\145\162\151\123\151\147\156\054\040\111
\156\143\056\040\055\040\106\157\162\040\141\165\164\150\157\162
\151\172\145\144\040\165\163\145\040\157\156\154\171\061\105\060
\103\006\003\125\004\003\023\074\126\145\162\151\123\151\147\156
\040\103\154\141\163\163\040\061\040\120\165\142\154\151\143\040
\120\162\151\155\141\162\171\040\103\145\162\164\151\146\151\143
\141\164\151\157\156\040\101\165\164\150\157\162\151\164\171\040
\055\040\107\063\060\202\001\042\060\015\006\011\052\206\110\206
\367\015\001\001\001\005\000\003\202\001\017\000\060\202\001\012
\002\202\001\001\000\335\204\324\271\264\371\247\330\363\004\170
\234\336\075\334\154\023\026\331\172\335\044\121\146\300\307\046
\131\015\254\006\010\302\224\321\063\037\360\203\065\037\156\033
\310\336\252\156\025\116\124\047\357\304\155\032\354\013\343\016
\360\104\245\127\307\100\130\036\243\107\037\161\354\140\366\155

\224\310\030\071\355\376\102\030\126\337\344\114\111\020\170\116
\001\166\065\143\022\066\335\146\274\001\004\066\243\125\150\325
\242\066\011\254\253\041\046\124\006\255\077\312\024\340\254\312
\255\006\035\225\342\370\235\361\340\140\377\302\177\165\053\114
\314\332\376\207\231\041\352\272\376\076\124\327\322\131\170\333
\074\156\317\240\023\000\032\270\047\241\344\276\147\226\312\240
\305\263\234\335\311\165\236\353\060\232\137\243\315\331\256\170
\031\077\043\351\134\333\051\275\255\125\310\033\124\214\143\366
\350\246\352\307\067\022\134\243\051\036\002\331\333\037\073\264
\327\017\126\107\201\025\004\112\257\203\047\321\305\130\210\301
\335\366\252\247\243\030\332\150\252\155\021\121\341\277\145\153
\237\226\166\321\075\002\003\001\000\001\060\015\006\011\052\206
\110\206\367\015\001\001\005\005\000\003\202\001\001\000\253\146
\215\327\263\272\307\232\266\346\125\320\005\361\237\061\215\132
\252\331\252\106\046\017\161\355\245\255\123\126\142\001\107\052
\104\351\376\077\164\013\023\233\271\364\115\033\262\321\137\262
\266\322\210\134\263\237\315\313\324\247\331\140\225\204\072\370
\301\067\035\141\312\347\260\305\345\221\332\124\246\254\061\201
\256\227\336\315\010\254\270\300\227\200\177\156\162\244\347\151
\023\225\145\037\304\223\074\375\171\217\004\324\076\117\352\367
\236\316\315\147\174\117\145\002\377\221\205\124\163\307\377\066
\367\206\055\354\320\136\117\377\021\237\162\006\326\270\032\361
\114\015\046\145\342\104\200\036\307\237\343\335\350\012\332\354
\245\040\200\151\150\241\117\176\341\153\317\007\101\372\203\216
\274\070\335\260\056\021\261\153\262\102\314\232\274\371\110\042
\171\112\031\017\262\034\076\040\164\331\152\303\276\362\050\170
\023\126\171\117\155\120\352\033\260\265\127\261\067\146\130\043
\363\334\017\337\012\207\304\357\206\005\325\070\024\140\231\243
\113\336\006\226\161\054\362\333\266\037\244\357\077\356

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE

For Email Distrust After: Wed Aug 31 00:00:00 2022

CKA_NSS_EMAIL_DISTRUST_AFTER MULTILINE_OCTAL

\062\062\060\070\063\061\060\060\060\060\060\060\132

END

Trust for "Verisign Class 1 Public Primary Certification Authority - G3"

Issuer: CN=VeriSign Class 1 Public Primary Certification Authority - G3,OU="(c) 1999 VeriSign, Inc. - For authorized use only",OU=VeriSign Trust Network,O="VeriSign, Inc.",C=US

Serial Number:00:8b:5b:75:56:84:54:85:0b:00:cf:af:38:48:ce:b1:a4

Subject: CN=VeriSign Class 1 Public Primary Certification Authority - G3,OU="(c) 1999 VeriSign, Inc. - For authorized use only",OU=VeriSign Trust Network,O="VeriSign, Inc.",C=US

Not Valid Before: Fri Oct 01 00:00:00 1999

Not Valid After : Wed Jul 16 23:59:59 2036

Fingerprint (SHA-256):

CB:B5:AF:18:5E:94:2A:24:02:F9:EA:CB:C0:ED:5B:B8:76:EE:A3:C1:22:36:23:D0:04:47:E4:F3:BA:55:4B:65

```
# Fingerprint (SHA1): 20:42:85:DC:F7:EB:76:41:95:57:8E:13:6B:D4:B7:D1:E9:8E:46:A5
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Verisign Class 1 Public Primary Certification Authority - G3"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\040\102\205\334\367\353\166\101\225\127\216\023\153\324\267\321
\351\216\106\245
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\261\107\274\030\127\321\030\240\170\055\354\161\350\052\225\163
END
CKA_ISSUER
MULTILINE_OCTAL
\060\201\312\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\027\060\025\006\003\125\004\012\023\016\126\145\162\151\123
\151\147\156\054\040\111\156\143\056\061\037\060\035\006\003\125
\004\013\023\026\126\145\162\151\123\151\147\156\040\124\162\165
\163\164\040\116\145\164\167\157\162\153\061\072\060\070\006\003
\125\004\013\023\061\050\143\051\040\061\071\071\071\040\126\145
\162\151\123\151\147\156\054\040\111\156\143\056\040\055\040\106
\157\162\040\141\165\164\150\157\162\151\172\145\144\040\165\163
\145\040\157\156\154\171\061\105\060\103\006\003\125\004\003\023
\074\126\145\162\151\123\151\147\156\040\103\154\141\163\163\040
\061\040\120\165\142\154\151\143\040\120\162\151\155\141\162\171
\040\103\145\162\164\151\146\151\143\141\164\151\157\156\040\101
\165\164\150\157\162\151\164\171\040\055\040\107\063
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\021\000\213\133\165\126\204\124\205\013\000\317\257\070\110
\316\261\244
END
CKA_TRUST_SERVER_AUTH
CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
```

```
#
# Certificate "Verisign Class 2 Public Primary Certification Authority - G3"
#
# Issuer: CN=VeriSign Class 2 Public Primary Certification Authority - G3,OU="(c) 1999 VeriSign, Inc. - For
authorized use only",OU=VeriSign Trust Network,O="VeriSign, Inc.",C=US
# Serial Number:61:70:cb:49:8c:5f:98:45:29:e7:b0:a6:d9:50:5b:7a
# Subject: CN=VeriSign Class 2 Public Primary Certification Authority - G3,OU="(c) 1999 VeriSign, Inc. - For
authorized use only",OU=VeriSign Trust Network,O="VeriSign, Inc.",C=US
# Not Valid Before: Fri Oct 01 00:00:00 1999
```

```
# Not Valid After : Wed Jul 16 23:59:59 2036
# Fingerprint (SHA-256):
92:A9:D9:83:3F:E1:94:4D:B3:66:E8:BF:AE:7A:95:B6:48:0C:2D:6C:6C:2A:1B:E6:5D:42:36:B6:08:FC:A1:BB
# Fingerprint (SHA1): 61:EF:43:D7:7F:CA:D4:61:51:BC:98:E0:C3:59:12:AF:9F:EB:63:11
CKA_CLASS
CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Verisign Class 2 Public Primary Certification Authority - G3"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\312\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\027\060\025\006\003\125\004\012\023\016\126\145\162\151\123
\151\147\156\054\040\111\156\143\056\061\037\060\035\006\003\125
\004\013\023\026\126\145\162\151\123\151\147\156\040\124\162\165
\163\164\040\116\145\164\167\157\162\153\061\072\060\070\006\003
\125\004\013\023\061\050\143\051\040\061\071\071\071\040\126\145
\162\151\123\151\147\156\054\040\111\156\143\056\040\055\040\106
\157\162\040\141\165\164\150\157\162\151\172\145\144\040\165\163
\145\040\157\156\154\171\061\105\060\103\006\003\125\004\003\023
\074\126\145\162\151\123\151\147\156\040\103\154\141\163\163\040
\062\040\120\165\142\154\151\143\040\120\162\151\155\141\162\171
\040\103\145\162\164\151\146\151\143\141\164\151\157\156\040\101
\165\164\150\157\162\151\164\171\040\055\040\107\063
END
CKA_ID
UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\201\312\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\027\060\025\006\003\125\004\012\023\016\126\145\162\151\123
\151\147\156\054\040\111\156\143\056\061\037\060\035\006\003\125
\004\013\023\026\126\145\162\151\123\151\147\156\040\124\162\165
\163\164\040\116\145\164\167\157\162\153\061\072\060\070\006\003
\125\004\013\023\061\050\143\051\040\061\071\071\071\040\126\145
\162\151\123\151\147\156\054\040\111\156\143\056\040\055\040\106
\157\162\040\141\165\164\150\157\162\151\172\145\144\040\165\163
\145\040\157\156\154\171\061\105\060\103\006\003\125\004\003\023
\074\126\145\162\151\123\151\147\156\040\103\154\141\163\163\040
\062\040\120\165\142\154\151\143\040\120\162\151\155\141\162\171
\040\103\145\162\164\151\146\151\143\141\164\151\157\156\040\101
\165\164\150\157\162\151\164\171\040\055\040\107\063
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\020\141\160\313\111\214\137\230\105\051\347\260\246\331\120
\133\172
END
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CKA_VALUE MULTILINE_OCTAL

\060\202\004\031\060\202\003\001\002\020\141\160\313\111\214\137
\230\105\051\347\260\246\331\120\133\172\060\015\006\011\052\206
\110\206\367\015\001\001\005\005\000\060\201\312\061\013\060\011
\006\003\125\004\006\023\002\125\123\061\027\060\025\006\003\125
\004\012\023\016\126\145\162\151\123\151\147\156\054\040\111\156
\143\056\061\037\060\035\006\003\125\004\013\023\026\126\145\162
\151\123\151\147\156\040\124\162\165\163\164\040\116\145\164\167
\157\162\153\061\072\060\070\006\003\125\004\013\023\061\050\143
\051\040\061\071\071\071\040\126\145\162\151\123\151\147\156\054
\040\111\156\143\056\040\055\040\106\157\162\040\141\165\164\150
\157\162\151\172\145\144\040\165\163\145\040\157\156\154\171\061
\105\060\103\006\003\125\004\003\023\074\126\145\162\151\123\151
\147\156\040\103\154\141\163\163\040\062\040\120\165\142\154\151
\143\040\120\162\151\155\141\162\171\040\103\145\162\164\151\146
\151\143\141\164\151\157\156\040\101\165\164\150\157\162\151\164
\171\040\055\040\107\063\060\036\027\015\071\071\061\060\060\061
\060\060\060\060\060\060\132\027\015\063\066\060\067\061\066\062
\063\065\071\065\071\132\060\201\312\061\013\060\011\006\003\125
\004\006\023\002\125\123\061\027\060\025\006\003\125\004\012\023
\016\126\145\162\151\123\151\147\156\054\040\111\156\143\056\061
\037\060\035\006\003\125\004\013\023\026\126\145\162\151\123\151
\147\156\040\124\162\165\163\164\040\116\145\164\167\157\162\153
\061\072\060\070\006\003\125\004\013\023\061\050\143\051\040\061
\071\071\071\040\126\145\162\151\123\151\147\156\054\040\111\156
\143\056\040\055\040\106\157\162\040\141\165\164\150\157\162\151
\172\145\144\040\165\163\145\040\157\156\154\171\061\105\060\103
\006\003\125\004\003\023\074\126\145\162\151\123\151\147\156\040
\103\154\141\163\163\040\062\040\120\165\142\154\151\143\040\120
\162\151\155\141\162\171\040\103\145\162\164\151\146\151\143\141
\164\151\157\156\040\101\165\164\150\157\162\151\164\171\040\055
\040\107\063\060\202\001\042\060\015\006\011\052\206\110\206\367
\015\001\001\001\005\000\003\202\001\017\000\060\202\001\012\002
\202\001\001\000\257\012\015\302\325\054\333\147\271\055\345\224
\047\335\245\276\340\260\115\217\263\141\126\074\326\174\303\364
\315\076\206\313\242\210\342\341\330\244\151\305\265\342\277\301
\246\107\120\136\106\071\213\325\226\272\265\157\024\277\020\316
\047\023\236\005\107\233\061\172\023\330\037\331\323\002\067\213
\255\054\107\360\216\201\006\247\015\060\014\353\367\074\017\040
\035\334\162\106\356\245\002\310\133\303\311\126\151\114\305\030
\301\221\173\013\325\023\000\233\274\357\303\110\076\106\140\040
\205\052\325\220\266\315\213\240\314\062\335\267\375\100\125\262
\120\034\126\256\314\215\167\115\307\040\115\247\061\166\357\150
\222\212\220\036\010\201\126\262\255\151\243\122\320\313\034\304
\043\075\037\231\376\114\350\026\143\216\306\010\216\366\061\366
\322\372\345\166\335\265\034\222\243\111\315\315\001\315\150\315
\251\151\272\243\353\035\015\234\244\040\246\301\240\305\321\106
\114\027\155\322\254\146\077\226\214\340\204\324\066\377\042\131

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\305\371\021\140\250\137\004\175\362\032\366\045\102\141\017\304
\112\270\076\211\002\003\001\000\001\060\015\006\011\052\206\110
\206\367\015\001\001\005\005\000\003\202\001\001\000\064\046\025
\074\300\215\115\103\111\035\275\351\041\222\327\146\234\267\336
\305\270\320\344\135\137\166\042\300\046\371\204\072\072\371\214
\265\373\354\140\361\350\316\004\260\310\335\247\003\217\060\363
\230\337\244\346\244\061\337\323\034\013\106\334\162\040\077\256
\356\005\074\244\063\077\013\071\254\160\170\163\113\231\053\337
\060\302\124\260\250\073\125\241\376\026\050\315\102\275\164\156
\200\333\047\104\247\316\104\135\324\033\220\230\015\036\102\224
\261\000\054\004\320\164\243\002\005\042\143\143\315\203\265\373
\301\155\142\153\151\165\375\135\160\101\271\365\277\174\337\276
\301\062\163\042\041\213\130\201\173\025\221\172\272\343\144\110
\260\177\373\066\045\332\225\320\361\044\024\027\335\030\200\153
\106\043\071\124\365\216\142\011\004\035\224\220\246\233\346\045
\342\102\105\252\270\220\255\276\010\217\251\013\102\030\224\317
\162\071\341\261\103\340\050\317\267\347\132\154\023\153\111\263
\377\343\030\174\211\213\063\135\254\063\327\247\371\332\072\125
\311\130\020\371\252\357\132\266\317\113\113\337\052
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

For Email Distrust After: Wed Aug 31 00:00:00 2022

CKA_NSS_EMAIL_DISTRICT_AFTER MULTILINE_OCTAL

\062\062\060\070\063\061\060\060\060\060\060\060\132

END

Trust for "Verisign Class 2 Public Primary Certification Authority - G3"

Issuer: CN=VeriSign Class 2 Public Primary Certification Authority - G3,OU="(c) 1999 VeriSign, Inc. - For authorized use only",OU=VeriSign Trust Network,O="VeriSign, Inc.",C=US

Serial Number:61:70:cb:49:8c:5f:98:45:29:e7:b0:a6:d9:50:5b:7a

#

Subject: CN=VeriSign Class 2 Public Primary Certification Authority - G3,OU="(c) 1999 VeriSign, Inc. - For authorized use only",OU=VeriSign Trust Network,O="VeriSign, Inc.",C=US

Not Valid Before: Fri Oct 01 00:00:00 1999

Not Valid After : Wed Jul 16 23:59:59 2036

Fingerprint (SHA-256):

92:A9:D9:83:3F:E1:94:4D:B3:66:E8:BF:AE:7A:95:B6:48:0C:2D:6C:6C:2A:1B:E6:5D:42:36:B6:08:FC:A1:BB

Fingerprint (SHA1): 61:EF:43:D7:7F:CA:D4:61:51:BC:98:E0:C3:59:12:AF:9F:EB:63:11

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "Verisign Class 2 Public Primary Certification Authority - G3"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

\141\357\103\327\177\312\324\141\121\274\230\340\303\131\022\257

\237\353\143\021

```

END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\370\276\304\143\042\311\250\106\164\213\270\035\036\112\053\366
END
CKA_ISSUER MULTILINE_OCTAL
\060\201\312\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\027\060\025\006\003\125\004\012\023\016\126\145\162\151\123
\151\147\156\054\040\111\156\143\056\061\037\060\035\006\003\125
\004\013\023\026\126\145\162\151\123\151\147\156\040\124\162\165
\163\164\040\116\145\164\167\157\162\153\061\072\060\070\006\003
\125\004\013\023\061\050\143\051\040\061\071\071\071\040\126\145
\162\151\123\151\147\156\054\040\111\156\143\056\040\055\040\106
\157\162\040\141\165\164\150\157\162\151\172\145\144\040\165\163
\145\040\157\156\154\171\061\105\060\103\006\003\125\004\003\023
\074\126\145\162\151\123\151\147\156\040\103\154\141\163\163\040
\062\040\120\165\142\154\151\143\040\120\162\151\155\141\162\171
\040\103\145\162\164\151\146\151\143\141\164\151\157\156\040\101
\165\164\150\157\162\151\164\171\040\055\040\107\063
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\020\141\160\313\111\214\137\230\105\051\347\260\246\331\120
\133\172
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_EMAIL_PROTECTION
CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "Entrust.net Premium 2048 Secure Server CA"
#
# Issuer: CN=Entrust.net Certification Authority (2048),OU=(c) 1999 Entrust.net
Limited,OU=www.entrust.net/CPS_2048 incorp. by ref. (limits liab.),O=Entrust.net
# Serial Number: 946069240 (0x3863def8)
# Subject: CN=Entrust.net Certification Authority (2048),OU=(c) 1999 Entrust.net
Limited,OU=www.entrust.net/CPS_2048 incorp. by ref. (limits liab.),O=Entrust.net
# Not Valid Before: Fri Dec 24 17:50:51 1999
# Not Valid After : Tue Jul 24 14:15:12 2029
# Fingerprint (SHA-256):
6D:C4:71:72:E0:1C:BC:B0:BF:62:58:0D:89:5F:E2:B8:AC:9A:D4:F8:73:80:1E:0C:10:B9:C8:37:D2:1E:B1:77
# Fingerprint (SHA1): 50:30:06:09:1D:97:D4:F5:AE:39:F7:CB:E7:92:7D:7D:65:2D:34:31
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL

```


UTF8 "Entrust.net Premium 2048 Secure Server CA"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\264\061\024\060\022\006\003\125\004\012\023\013\105\156
\164\162\165\163\164\056\156\145\164\061\100\060\076\006\003\125
\004\013\024\067\167\167\167\056\145\156\164\162\165\163\164\056
\156\145\164\057\103\120\123\137\062\060\064\070\040\151\156\143
\157\162\160\056\040\142\171\040\162\145\146\056\040\050\154\151
\155\151\164\163\040\154\151\141\142\056\051\061\045\060\043\006
\003\125\004\013\023\034\050\143\051\040\061\071\071\071\040\105
\156\164\162\165\163\164\056\156\145\164\040\114\151\155\151\164
\145\144\061\063\060\061\006\003\125\004\003\023\052\105\156\164
\162\165\163\164\056\156\145\164\040\103\145\162\164\151\146\151
\143\141\164\151\157\156\040\101\165\164\150\157\162\151\164\171
\040\050\062\060\064\070\051

END

CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\201\264\061\024\060\022\006\003\125\004\012\023\013\105\156
\164\162\165\163\164\056\156\145\164\061\100\060\076\006\003\125
\004\013\024\067\167\167\167\056\145\156\164\162\165\163\164\056
\156\145\164\057\103\120\123\137\062\060\064\070\040\151\156\143
\157\162\160\056\040\142\171\040\162\145\146\056\040\050\154\151
\155\151\164\163\040\154\151\141\142\056\051\061\045\060\043\006
\003\125\004\013\023\034\050\143\051\040\061\071\071\071\040\105
\156\164\162\165\163\164\056\156\145\164\040\114\151\155\151\164
\145\144\061\063\060\061\006\003\125\004\003\023\052\105\156\164
\162\165\163\164\056\156\145\164\040\103\145\162\164\151\146\151
\143\141\164\151\157\156\040\101\165\164\150\157\162\151\164\171
\040\050\062\060\064\070\051

END

CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\004\070\143\336\370

END

CKA_VALUE MULTILINE_OCTAL
\060\202\004\052\060\202\003\022\240\003\002\001\002\002\004\070
\143\336\370\060\015\006\011\052\206\110\206\367\015\001\001\005
\005\000\060\201\264\061\024\060\022\006\003\125\004\012\023\013
\105\156\164\162\165\163\164\056\156\145\164\061\100\060\076\006
\003\125\004\013\024\067\167\167\167\056\145\156\164\162\165\163
\164\056\156\145\164\057\103\120\123\137\062\060\064\070\040\151
\156\143\157\162\160\056\040\142\171\040\162\145\146\056\040\050
\154\151\155\151\164\163\040\154\151\141\142\056\051\061\045\060
\043\006\003\125\004\013\023\034\050\143\051\040\061\071\071\071
\040\105\156\164\162\165\163\164\056\156\145\164\040\114\151\155
\151\164\145\144\061\063\060\061\006\003\125\004\003\023\052\105
\156\164\162\165\163\164\056\156\145\164\040\103\145\162\164\151

\146\151\143\141\164\151\157\156\040\101\165\164\150\157\162\151
\164\171\040\050\062\060\064\070\051\060\036\027\015\071\071\061
\062\062\064\061\067\065\060\065\061\132\027\015\062\071\060\067
\062\064\061\064\061\065\061\062\132\060\201\264\061\024\060\022
\006\003\125\004\012\023\013\105\156\164\162\165\163\164\056\156
\145\164\061\100\060\076\006\003\125\004\013\024\067\167\167\167
\056\145\156\164\162\165\163\164\056\156\145\164\057\103\120\123
\137\062\060\064\070\040\151\156\143\157\162\160\056\040\142\171
\040\162\145\146\056\040\050\154\151\155\151\164\163\040\154\151
\141\142\056\051\061\045\060\043\006\003\125\004\013\023\034\050
\143\051\040\061\071\071\071\040\105\156\164\162\165\163\164\056
\156\145\164\040\114\151\155\151\164\145\144\061\063\060\061\006
\003\125\004\003\023\052\105\156\164\162\165\163\164\056\156\145
\164\040\103\145\162\164\151\146\151\143\141\164\151\157\156\040
\101\165\164\150\157\162\151\164\171\040\050\062\060\064\070\051
\060\202\001\042\060\015\006\011\052\206\110\206\367\015\001\001
\001\005\000\003\202\001\017\000\060\202\001\012\002\202\001\001
\000\255\115\113\251\022\206\262\352\243\040\007\025\026\144\052
\053\113\321\277\013\112\115\216\355\200\166\245\147\267\170\100
\300\163\102\310\150\300\333\123\053\335\136\270\166\230\065\223
\213\032\235\174\023\072\016\037\133\267\036\317\345\044\024\036
\261\201\251\215\175\270\314\153\113\003\361\002\014\334\253\245
\100\044\000\177\164\224\241\235\010\051\263\210\013\365\207\167
\235\125\315\344\303\176\327\152\144\253\205\024\206\225\133\227
\062\120\157\075\310\272\146\014\343\374\275\270\111\301\166\211
\111\031\375\300\250\275\211\243\147\057\306\237\274\161\031\140
\270\055\351\054\311\220\166\146\173\224\342\257\170\326\145\123
\135\074\326\234\262\317\051\003\371\057\244\120\262\324\110\316
\005\062\125\212\375\262\144\114\016\344\230\007\165\333\177\337
\271\010\125\140\205\060\051\371\173\110\244\151\206\343\065\077
\036\206\135\172\172\025\275\357\000\216\025\042\124\027\000\220
\046\223\274\016\111\150\221\277\370\107\323\235\225\102\301\016
\115\337\157\046\317\303\030\041\142\146\103\160\326\325\300\007
\341\002\003\001\000\001\243\102\060\100\060\016\006\003\125\035
\017\001\001\377\004\004\003\002\001\006\060\017\006\003\125\035
\023\001\001\377\004\005\060\003\001\001\377\060\035\006\003\125
\035\016\004\026\004\024\125\344\201\321\021\200\276\330\211\271
\010\243\061\371\241\044\011\026\271\160\060\015\006\011\052\206
\110\206\367\015\001\001\005\005\000\003\202\001\001\000\073\233
\217\126\233\060\347\123\231\174\172\171\247\115\227\327\031\225
\220\373\006\037\312\063\174\106\143\217\226\146\044\372\100\033
\041\047\312\346\162\163\362\117\376\061\231\375\310\014\114\150
\123\306\200\202\023\230\372\266\255\332\135\075\361\316\156\366
\025\021\224\202\014\356\077\225\257\021\253\017\327\057\336\037
\003\217\127\054\036\311\273\232\032\104\225\353\030\117\246\037
\315\175\127\020\057\233\004\011\132\204\265\156\330\035\072\341
\326\236\321\154\171\136\171\034\024\305\343\320\114\223\073\145
\074\355\337\075\276\246\345\225\032\303\265\031\303\275\136\133

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\273\377\043\357\150\031\313\022\223\047\134\003\055\157\060\320
\036\266\032\254\336\132\367\321\252\250\047\246\376\171\201\304
\171\231\063\127\272\022\260\251\340\102\154\223\312\126\336\376
\155\204\013\010\213\176\215\352\327\230\041\306\363\347\074\171
\057\136\234\321\114\025\215\341\354\042\067\314\232\103\013\227
\334\200\220\215\263\147\233\157\110\010\025\126\317\277\361\053
\174\136\232\166\351\131\220\305\174\203\065\021\145\121
```

END

CKA_NSS_Mozilla_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "Entrust.net Premium 2048 Secure Server CA"

Issuer: CN=Entrust.net Certification Authority (2048),OU=(c) 1999 Entrust.net Limited,OU=www.entrust.net/CPS_2048 incop. by ref. (limits liab.),O=Entrust.net

Serial Number: 946069240 (0x3863def8)

Subject: CN=Entrust.net Certification Authority (2048),OU=(c) 1999 Entrust.net Limited,OU=www.entrust.net/CPS_2048 incop. by ref. (limits liab.),O=Entrust.net

Not Valid Before: Fri Dec 24 17:50:51 1999

Not Valid After : Tue Jul 24 14:15:12 2029

Fingerprint (SHA-256):

6D:C4:71:72:E0:1C:BC:B0:BF:62:58:0D:89:5F:E2:B8:AC:9A:D4:F8:73:80:1E:0C:10:B9:C8:37:D2:1E:B1:77

Fingerprint (SHA1): 50:30:06:09:1D:97:D4:F5:AE:39:F7:CB:E7:92:7D:7D:65:2D:34:31

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN

CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "Entrust.net Premium 2048 Secure Server CA"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\120\060\006\011\035\227\324\365\256\071\367\313\347\222\175\175
\145\055\064\061
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\356\051\061\274\062\176\232\346\350\265\367\121\264\064\161\220
```

END

CKA_ISSUER MULTILINE_OCTAL

```
\060\201\264\061\024\060\022\006\003\125\004\012\023\013\105\156
\164\162\165\163\164\056\156\145\164\061\100\060\076\006\003\125
\004\013\024\067\167\167\167\056\145\156\164\162\165\163\164\056
\156\145\164\057\103\120\123\137\062\060\064\070\040\151\156\143
\157\162\160\056\040\142\171\040\162\145\146\056\040\050\154\151
\155\151\164\163\040\154\151\141\142\056\051\061\045\060\043\006
\003\125\004\013\023\034\050\143\051\040\061\071\071\071\040\105
\156\164\162\165\163\164\056\156\145\164\040\114\151\155\151\164
\145\144\061\063\060\061\006\003\125\004\003\023\052\105\156\164
\162\165\163\164\056\156\145\164\040\103\145\162\164\151\146\151
```

```

\143\141\164\151\157\156\040\101\165\164\150\157\162\151\164\171
\040\050\062\060\064\070\051
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\004\070\143\336\370
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "Baltimore CyberTrust Root"
#
# Issuer: CN=Baltimore CyberTrust Root,OU=CyberTrust,O=Baltimore,C=IE
# Serial Number: 33554617 (0x20000b9)
# Subject: CN=Baltimore CyberTrust Root,OU=CyberTrust,O=Baltimore,C=IE
# Not Valid Before: Fri May 12 18:46:00 2000
# Not Valid After : Mon May 12 23:59:00 2025
# Fingerprint (SHA-256):
16:AF:57:A9:F6:76:B0:AB:12:60:95:AA:5E:BA:DE:F2:2A:B3:11:19:D6:44:AC:95:CD:4B:93:DB:F3:F2:6A:EB
# Fingerprint (SHA1): D4:DE:20:D0:5E:66:FC:53:FE:1A:50:88:2C:78:DB:28:52:CA:E4:74
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN
CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Baltimore CyberTrust Root"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\132\061\013\060\011\006\003\125\004\006\023\002\111\105\061
\022\060\020\006\003\125\004\012\023\011\102\141\154\164\151\155
\157\162\145\061\023\060\021\006\003\125\004\013\023\012\103\171
\142\145\162\124\162\165\163\164\061\042\060\040\006\003\125\004
\003\023\031\102\141\154\164\151\155\157\162\145\040\103\171\142
\145\162\124\162\165\163\164\040\122\157\157\164
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\132\061\013\060\011\006\003\125\004\006\023\002\111\105\061
\022\060\020\006\003\125\004\012\023\011\102\141\154\164\151\155
\157\162\145\061\023\060\021\006\003\125\004\013\023\012\103\171
\142\145\162\124\162\165\163\164\061\042\060\040\006\003\125\004
\003\023\031\102\141\154\164\151\155\157\162\145\040\103\171\142
\145\162\124\162\165\163\164\040\122\157\157\164
END
CKA_SERIAL_NUMBER

```

MULTILINE_OCTAL

\002\004\002\000\000\271

END

CKA_VALUE MULTILINE_OCTAL

\060\202\003\167\060\202\002\137\240\003\002\001\002\002\004\002
\000\000\271\060\015\006\011\052\206\110\206\367\015\001\001\005
\005\000\060\132\061\013\060\011\006\003\125\004\006\023\002\111
\105\061\022\060\020\006\003\125\004\012\023\011\102\141\154\164
\151\155\157\162\145\061\023\060\021\006\003\125\004\013\023\012
\103\171\142\145\162\124\162\165\163\164\061\042\060\040\006\003
\125\004\003\023\031\102\141\154\164\151\155\157\162\145\040\103
\171\142\145\162\124\162\165\163\164\040\122\157\157\164\060\036
\027\015\060\060\060\065\061\062\061\070\064\066\060\060\132\027
\015\062\065\060\065\061\062\062\063\065\071\060\060\132\060\132
\061\013\060\011\006\003\125\004\006\023\002\111\105\061\022\060
\020\006\003\125\004\012\023\011\102\141\154\164\151\155\157\162
\145\061\023\060\021\006\003\125\004\013\023\012\103\171\142\145
\162\124\162\165\163\164\061\042\060\040\006\003\125\004\003\023
\031\102\141\154\164\151\155\157\162\145\040\103\171\142\145\162
\124\162\165\163\164\040\122\157\157\164\060\202\001\042\060\015
\006\011\052\206\110\206\367\015\001\001\001\005\000\003\202\001
\017\000\060\202\001\012\002\202\001\001\000\243\004\273\042\253
\230\075\127\350\046\162\232\265\171\324\051\342\341\350\225\200
\261\260\343\133\216\053\051\232\144\337\241\135\355\260\011\005
\155\333\050\056\316\142\242\142\376\264\210\332\022\353\070\353
\041\235\300\101\053\001\122\173\210\167\323\034\217\307\272\271
\210\265\152\011\347\163\350\021\100\247\321\314\312\142\215\055
\345\217\013\246\120\322\250\120\303\050\352\365\253\045\207\212
\232\226\034\251\147\270\077\014\325\367\371\122\023\057\302\033
\325\160\160\360\217\300\022\312\006\313\232\341\331\312\063\172
\167\326\370\354\271\361\150\104\102\110\023\322\300\302\244\256
\136\140\376\266\246\005\374\264\335\007\131\002\324\131\030\230
\143\365\245\143\340\220\014\175\135\262\006\172\363\205\352\353
\324\003\256\136\204\076\137\377\025\355\151\274\371\071\066\162
\165\317\167\122\115\363\311\220\054\271\075\345\311\043\123\077
\037\044\230\041\134\007\231\051\275\306\072\354\347\156\206\072
\153\227\164\143\063\275\150\030\061\360\170\215\166\277\374\236
\216\135\052\206\247\115\220\334\047\032\071\002\003\001\000\001
\243\105\060\103\060\035\006\003\125\035\016\004\026\004\024\345
\235\131\060\202\107\130\314\254\372\010\124\066\206\173\072\265
\004\115\360\060\022\006\003\125\035\023\001\001\377\004\010\060
\006\001\001\377\002\001\003\060\016\006\003\125\035\017\001\001
\377\004\004\003\002\001\006\060\015\006\011\052\206\110\206\367
\015\001\001\005\005\000\003\202\001\001\000\205\014\135\216\344
\157\121\150\102\005\240\335\273\117\047\045\204\003\275\367\144
\375\055\327\060\343\244\020\027\353\332\051\051\266\171\077\166
\366\031\023\043\270\020\012\371\130\244\324\141\160\275\004\141
\152\022\212\027\325\012\275\305\274\060\174\326\351\014\045\215

```
\206\100\117\354\314\243\176\070\306\067\021\117\355\335\150\061
\216\114\322\263\001\164\356\276\165\136\007\110\032\177\160\377
\026\134\204\300\171\205\270\005\375\177\276\145\021\243\017\300
\002\264\370\122\067\071\004\325\251\061\172\030\277\240\052\364
\022\231\367\243\105\202\343\074\136\365\235\236\265\310\236\174
\056\310\244\236\116\010\024\113\155\375\160\155\153\032\143\275
\144\346\037\267\316\360\362\237\056\273\033\267\362\120\210\163
\222\302\342\343\026\215\232\062\002\253\216\030\335\351\020\021
\356\176\065\253\220\257\076\060\224\172\320\063\075\247\145\017
\365\374\216\236\142\317\107\104\054\001\135\273\035\265\062\322
\107\322\070\056\320\376\201\334\062\152\036\265\356\074\325\374
\347\201\035\031\303\044\102\352\143\071\251
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "Baltimore CyberTrust Root"

Issuer: CN=Baltimore CyberTrust Root,OU=CyberTrust,O=Baltimore,C=IE

Serial Number: 33554617

(0x20000b9)

Subject: CN=Baltimore CyberTrust Root,OU=CyberTrust,O=Baltimore,C=IE

Not Valid Before: Fri May 12 18:46:00 2000

Not Valid After : Mon May 12 23:59:00 2025

Fingerprint (SHA-256):

16:AF:57:A9:F6:76:B0:AB:12:60:95:AA:5E:BA:DE:F2:2A:B3:11:19:D6:44:AC:95:CD:4B:93:DB:F3:F2:6A:EB

Fingerprint (SHA1): D4:DE:20:D0:5E:66:FC:53:FE:1A:50:88:2C:78:DB:28:52:CA:E4:74

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "Baltimore CyberTrust Root"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\324\336\040\320\136\146\374\123\376\032\120\210\054\170\333\050
\122\312\344\164
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\254\266\224\245\234\027\340\327\221\122\233\261\227\006\246\344
```

END

CKA_ISSUER MULTILINE_OCTAL

```
\060\132\061\013\060\011\006\003\125\004\006\023\002\111\105\061
\022\060\020\006\003\125\004\012\023\011\102\141\154\164\151\155
\157\162\145\061\023\060\021\006\003\125\004\013\023\012\103\171
\142\145\162\124\162\165\163\164\061\042\060\040\006\003\125\004
\003\023\031\102\141\154\164\151\155\157\162\145\040\103\171\142
\145\162\124\162\165\163\164\040\122\157\157\164
```

END

```

CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\004\002\000\000\271
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "Entrust Root Certification Authority"
#
# Issuer: CN=Entrust Root Certification Authority,OU="(c) 2006 Entrust, Inc.",OU=www.entrust.net/CPS is
incorporated by reference,O="Entrust, Inc.",C=US
# Serial Number: 1164660820 (0x456b5054)
# Subject: CN=Entrust Root Certification Authority,OU="(c) 2006 Entrust, Inc.",OU=www.entrust.net/CPS is
incorporated by reference,O="Entrust, Inc.",C=US
# Not Valid Before: Mon Nov 27 20:23:42 2006
# Not Valid After : Fri Nov 27 20:53:42 2026
# Fingerprint (SHA-256):
73:C1:76:43:4F:1B:C6:D5:AD:F4:5B:0E:76:E7:27:28:7C:8D:E5:76:16:C1:E6:E6:14:1A:2B:2C:BC:7D:8E:4C
#
Fingerprint (SHA1): B3:1E:B1:B7:40:E3:6C:84:02:DA:DC:37:D4:4D:F5:D4:67:49:52:F9
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Entrust Root Certification Authority"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\260\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\026\060\024\006\003\125\004\012\023\015\105\156\164\162\165
\163\164\054\040\111\156\143\056\061\071\060\067\006\003\125\004
\013\023\060\167\167\167\056\145\156\164\162\165\163\164\056\156
\145\164\057\103\120\123\040\151\163\040\151\156\143\157\162\160
\157\162\141\164\145\144\040\142\171\040\162\145\146\145\162\145
\156\143\145\061\037\060\035\006\003\125\004\013\023\026\050\143
\051\040\062\060\060\066\040\105\156\164\162\165\163\164\054\040
\111\156\143\056\061\055\060\053\006\003\125\004\003\023\044\105
\156\164\162\165\163\164\040\122\157\157\164\040\103\145\162\164
\151\146\151\143\141\164\151\157\156\040\101\165\164\150\157\162
\151\164\171
END
CKA_ID
UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\201\260\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\026\060\024\006\003\125\004\012\023\015\105\156\164\162\165

```

\163\164\054\040\111\156\143\056\061\071\060\067\006\003\125\004
\013\023\060\167\167\167\056\145\156\164\162\165\163\164\056\156
\145\164\057\103\120\123\040\151\163\040\151\156\143\157\162\160
\157\162\141\164\145\144\040\142\171\040\162\145\146\145\162\145
\156\143\145\061\037\060\035\006\003\125\004\013\023\026\050\143
\051\040\062\060\060\066\040\105\156\164\162\165\163\164\054\040
\111\156\143\056\061\055\060\053\006\003\125\004\003\023\044\105
\156\164\162\165\163\164\040\122\157\157\164\040\103\145\162\164
\151\146\151\143\141\164\151\157\156\040\101\165\164\150\157\162
\151\164\171

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\002\004\105\153\120\124

END

CKA_VALUE

MULTILINE_OCTAL

\060\202\004\221\060\202\003\171\240\003\002\001\002\002\004\105
\153\120\124\060\015\006\011\052\206\110\206\367\015\001\001\005
\005\000\060\201\260\061\013\060\011\006\003\125\004\006\023\002
\125\123\061\026\060\024\006\003\125\004\012\023\015\105\156\164
\162\165\163\164\054\040\111\156\143\056\061\071\060\067\006\003
\125\004\013\023\060\167\167\167\056\145\156\164\162\165\163\164
\056\156\145\164\057\103\120\123\040\151\163\040\151\156\143\157
\162\160\157\162\141\164\145\144\040\142\171\040\162\145\146\145
\162\145\156\143\145\061\037\060\035\006\003\125\004\013\023\026
\050\143\051\040\062\060\060\066\040\105\156\164\162\165\163\164
\054\040\111\156\143\056\061\055\060\053\006\003\125\004\003\023
\044\105\156\164\162\165\163\164\040\122\157\157\164\040\103\145
\162\164\151\146\151\143\141\164\151\157\156\040\101\165\164\150
\157\162\151\164\171\060\036\027\015\060\066\061\061\062\067\062
\060\062\063\064\062\132\027\015\062\066\061\061\062\067\062\060
\065\063\064\062\132\060\201\260\061\013\060\011\006\003\125\004
\006\023\002\125\123\061\026\060\024\006\003\125\004\012\023\015
\105\156\164\162\165\163\164\054\040\111\156\143\056\061\071\060
\067\006\003\125\004\013\023\060\167\167\167\056\145\156\164\162
\165\163\164\056\156\145\164\057\103\120\123\040\151\163\040\151
\156\143\157\162\160\157\162\141\164\145\144\040\142\171\040\162
\145\146\145\162\145\156\143\145\061\037\060\035\006\003\125\004
\013\023\026\050\143\051\040\062\060\060\066\040\105\156\164\162
\165\163\164\054\040\111\156\143\056\061\055\060\053\006\003\125
\004\003\023\044\105\156\164\162\165\163\164\040\122\157\157\164
\040\103\145\162\164\151\146\151\143\141\164\151\157\156\040\101
\165\164\150\157\162\151\164\171\060\202\001\042\060\015\006\011
\052\206\110\206\367\015\001\001\001\005\000\003\202\001\017\000
\060\202\001\012\002\202\001\001\000\266\225\266\103\102\372\306
\155\052\157\110\337\224\114\071\127\005\356\303\171\021\101\150
\066\355\354\376\232\001\217\241\070\050\374\367\020\106\146\056
\115\036\032\261\032\116\306\321\300\225\210\260\311\377\061\213

\063\003\333\267\203\173\076\040\204\136\355\262\126\050\247\370
\340\271\100\161\067\305\313\107\016\227\052\150\300\042\225\142
\025\333\107\331\365\320\053\377\202\113\311\255\076\336\114\333
\220\200\120\077\011\212\204\000\354\060\012\075\030\315\373\375
\052\131\232\043\225\027\054\105\236\037\156\103\171\155\014\134
\230\376\110\247\305\043\107\134\136\375\156\347\036\264\366\150
\105\321\206\203\133\242\212\215\261\343\051\200\376\045\161\210
\255\276\274\217\254\122\226\113\252\121\215\344\023\061\031\350
\116\115\237\333\254\263\152\325\274\071\124\161\312\172\172\177
\220\335\175\035\200\331\201\273\131\046\302\021\376\346\223\342
\367\200\344\145\373\064\067\016\051\200\160\115\257\070\206\056
\236\177\127\257\236\027\256\353\034\313\050\041\137\266\034\330
\347\242\004\042\371\323\332\330\313\002\003\001\000\001\243\201
\260\060\201\255\060\016\006\003\125\035\017\001\001\377\004\004
\003\002\001\006\060\017\006\003\125\035\023\001\001\377\004\005
\060\003\001\001\377\060\053\006\003\125\035\020\004\044\060\042
\200\017\062\060\060\066\061\061\062\067\062\060\062\063\064\062
\132\201\017\062\060\062\066\061\061\062\067\062\060\065\063\064
\062\132\060\037\006\003\125\035\043\004\030\060\026\200\024\150
\220\344\147\244\246\123\200\307\206\146\244\361\367\113\103\373
\204\275\155\060\035\006\003\125\035\016\004\026\004\024\150\220
\344\147\244\246\123\200\307\206\146\244\361\367\113\103\373\204
\275\155\060\035\006\011\052\206\110\206\366\175\007\101\000\004
\020\060\016\033\010\126\067\056\061\072\064\056\060\003\002\004
\220\060\015\006\011\052\206\110\206\367\015\001\001\005\005\000
\003\202\001\001\000\223\324\060\260\327\003\040\052\320\371\143
\350\221\014\005\040\251\137\031\312\173\162\116\324\261\333\320
\226\373\124\132\031\054\014\010\367\262\274\205\250\235\177\155
\073\122\263\052\333\347\324\204\214\143\366\017\313\046\001\221
\120\154\364\137\024\342\223\164\300\023\236\060\072\120\343\264
\140\305\034\360\042\104\215\161\107\254\310\032\311\351\233\232
\000\140\023\377\160\176\137\021\115\111\033\263\025\122\173\311
\124\332\277\235\225\257\153\232\330\236\351\361\344\103\215\342
\021\104\072\277\257\275\203\102\163\122\213\252\273\247\051\317
\365\144\034\012\115\321\274\252\254\237\052\320\377\177\177\332
\175\352\261\355\060\045\301\204\332\064\322\133\170\203\126\354
\234\066\303\046\342\021\366\147\111\035\222\253\214\373\353\377
\172\356\205\112\247\120\200\360\247\134\112\224\056\137\005\231
\074\122\101\340\315\264\143\317\001\103\272\234\203\334\217\140
\073\363\132\264\264\173\256\332\013\220\070\165\357\201\035\146
\322\367\127\160\066\263\277\374\050\257\161\045\205\133\023\376
\036\177\132\264\074

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

```
# Trust for "Entrust Root Certification Authority"
# Issuer: CN=Entrust
  Root Certification Authority,OU="(c) 2006 Entrust, Inc.",OU=www.entrust.net/CPS is incorporated by
  reference,O="Entrust, Inc.",C=US
# Serial Number: 1164660820 (0x456b5054)
# Subject: CN=Entrust Root Certification Authority,OU="(c) 2006 Entrust, Inc.",OU=www.entrust.net/CPS is
  incorporated by reference,O="Entrust, Inc.",C=US
# Not Valid Before: Mon Nov 27 20:23:42 2006
# Not Valid After : Fri Nov 27 20:53:42 2026
# Fingerprint (SHA-256):
73:C1:76:43:4F:1B:C6:D5:AD:F4:5B:0E:76:E7:27:28:7C:8D:E5:76:16:C1:E6:E6:14:1A:2B:2C:BC:7D:8E:4C
# Fingerprint (SHA1): B3:1E:B1:B7:40:E3:6C:84:02:DA:DC:37:D4:4D:F5:D4:67:49:52:F9
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Entrust Root Certification Authority"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\263\036\261\267\100\343\154\204\002\332\334\067\324\115\365\324
\147\111\122\371
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\326\245\303\355\135\335\076\000\301\075\207\222\037\035\077\344
END
CKA_ISSUER
  MULTILINE_OCTAL
\060\201\260\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\026\060\024\006\003\125\004\012\023\015\105\156\164\162\165
\163\164\054\040\111\156\143\056\061\071\060\067\006\003\125\004
\013\023\060\167\167\167\056\145\156\164\162\165\163\164\056\156
\145\164\057\103\120\123\040\151\163\040\151\156\143\157\162\160
\157\162\141\164\145\144\040\142\171\040\162\145\146\145\162\145
\156\143\145\061\037\060\035\006\003\125\004\013\023\026\050\143
\051\040\062\060\060\066\040\105\156\164\162\165\163\164\054\040
\111\156\143\056\061\055\060\053\006\003\125\004\003\023\044\105
\156\164\162\165\163\164\040\122\157\157\164\040\103\145\162\164
\151\146\151\143\141\164\151\157\156\040\101\165\164\150\157\162
\151\164\171
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\004\105\153\120\124
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST
  CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
```

```

#
# Certificate "Certum Root CA"
#
# Issuer: CN=Certum CA,O=Unizeto Sp. z o.o.,C=PL
# Serial Number: 65568 (0x10020)
# Subject: CN=Certum CA,O=Unizeto Sp. z o.o.,C=PL
# Not Valid Before: Tue Jun 11 10:46:39 2002
# Not Valid After : Fri Jun 11 10:46:39 2027
# Fingerprint (SHA-256):
D8:E0:FE:BC:1D:B2:E3:8D:00:94:0F:37:D2:7D:41:34:4D:99:3E:73:4B:99:D5:65:6D:97:78:D4:D8:14:36:24
# Fingerprint (SHA1): 62:52:DC:40:F7:11:43:A2:2F:DE:9E:F7:34:8E:06:42:51:B1:81:18
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Certum Root CA"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\076\061\013\060\011\006\003\125\004\006\023\002\120\114\061
\033\060\031\006\003\125\004\012\023\022\125\156\151\172\145\164
\157\040\123\160\056\040\172\040\157\056\157\056\061\022\060\020
\006\003\125\004\003\023\011\103\145\162\164\165\155\040\103\101
END
CKA_ID
UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\076\061\013\060\011\006\003\125\004\006\023\002\120\114\061
\033\060\031\006\003\125\004\012\023\022\125\156\151\172\145\164
\157\040\123\160\056\040\172\040\157\056\157\056\061\022\060\020
\006\003\125\004\003\023\011\103\145\162\164\165\155\040\103\101
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\003\001\000\040
END
CKA_VALUE MULTILINE_OCTAL
\060\202\003\014\060\202\001\364\240\003\002\001\002\002\003\001
\000\040\060\015\006\011\052\206\110\206\367\015\001\001\005\005
\000\060\076\061\013\060\011\006\003\125\004\006\023\002\120\114
\061\033\060\031\006\003\125\004\012\023\022\125\156\151\172\145
\164\157\040\123\160\056\040\172\040\157\056\157\056\061\022\060
\020\006\003\125\004\003\023\011\103\145\162\164\165\155\040\103
\101\060\036\027\015\060\062\060\066\061\061\061\060\064\066\063
\071\132\027\015\062\067\060\066\061\061\061\060\064\066\063\071
\132\060\076\061\013\060\011\006\003\125\004\006\023\002\120\114
\061\033\060\031\006\003\125\004\012\023\022\125\156\151\172\145
\164\157\040\123\160\056\040\172\040\157\056\157\056\061\022\060
\020\006\003\125\004\003\023\011\103\145\162\164\165\155\040\103
\101\060\202\001\042\060\015\006\011\052\206\110\206\367\015\001

```

\001\001\005\000\003\202\001\017\000\060\202\001\012\002\202\001
\001\000\316\261\301\056\323\117\174\315\045\316\030\076\117\304
\214\157\200\152\163\310\133\121\370\233\322\334\273\000\134\261
\240\374\165\003\356\201\360\210\356\043\122\351\346\025\063\215
\254\055\011\305\166\371\053\071\200\211\344\227\113\220\245\250
\170\370\163\103\173\244\141\260\330\130\314\341\154\146\176\234
\363\011\136\125\143\204\325\250\357\363\261\056\060\150\263\304
\074\330\254\156\215\231\132\220\116\064\334\066\232\217\201\210
\120\267\155\226\102\011\363\327\225\203\015\101\113\260\152\153
\370\374\017\176\142\237\147\304\355\046\137\020\046\017\010\117
\360\244\127\050\316\217\270\355\105\366\156\356\045\135\252\156
\071\276\344\223\057\331\107\240\162\353\372\246\133\257\312\123
\077\342\016\306\226\126\021\156\367\351\146\251\046\330\177\225
\123\355\012\205\210\272\117\051\245\102\214\136\266\374\205\040
\000\252\150\013\241\032\205\001\234\304\106\143\202\210\266\042
\261\356\376\252\106\131\176\317\065\054\325\266\332\135\367\110
\063\024\124\266\353\331\157\316\315\210\326\253\033\332\226\073
\035\131\002\003\001\000\001\243\023\060\021\060\017\006\003\125
\035\023\001\001\377\004\005\060\003\001\001\377\060\015\006\011
\052\206\110\206\367\015\001\001\005\005\000\003\202\001\001\000
\270\215\316\357\347\024\272\317\356\260\104\222\154\264\071\076
\242\204\156\255\270\041\167\322\324\167\202\207\346\040\101\201
\356\342\370\021\267\143\321\027\067\276\031\166\044\034\004\032
\114\353\075\252\147\157\055\324\315\376\145\061\160\305\033\246
\002\012\272\140\173\155\130\302\232\111\376\143\062\013\153\343
\072\300\254\253\073\260\350\323\011\121\214\020\203\306\064\340
\305\053\340\032\266\140\024\047\154\062\167\214\274\262\162\230
\317\315\314\077\271\310\044\102\024\326\127\374\346\046\103\251
\035\345\200\220\316\003\124\050\076\367\077\323\370\115\355\152
\012\072\223\023\233\073\024\043\023\143\234\077\321\207\047\171
\345\114\121\343\001\255\205\135\032\073\261\325\163\020\244\323
\362\274\156\144\365\132\126\220\250\307\016\114\164\017\056\161
\073\367\310\107\364\151\157\025\362\021\136\203\036\234\174\122
\256\375\002\332\022\250\131\147\030\333\274\160\335\233\261\151
\355\200\316\211\100\110\152\016\065\312\051\146\025\041\224\054
\350\140\052\233\205\112\100\363\153\212\044\354\006\026\054\163

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "Certum Root CA"

Issuer: CN=Certum CA,O=Unizeto Sp. z o.o.,C=PL

Serial Number: 65568 (0x10020)

Subject: CN=Certum CA,O=Unizeto Sp. z o.o.,C=PL

Not Valid Before: Tue Jun 11 10:46:39 2002

Not Valid After : Fri Jun 11

10:46:39 2027

Fingerprint (SHA-256):

D8:E0:FE:BC:1D:B2:E3:8D:00:94:0F:37:D2:7D:41:34:4D:99:3E:73:4B:99:D5:65:6D:97:78:D4:D8:14:36:24

Fingerprint (SHA1): 62:52:DC:40:F7:11:43:A2:2F:DE:9E:F7:34:8E:06:42:51:B1:81:18

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "Certum Root CA"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

\142\122\334\100\367\021\103\242\057\336\236\367\064\216\006\102

\121\261\201\030

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

\054\217\237\146\035\030\220\261\107\046\235\216\206\202\214\251

END

CKA_ISSUER MULTILINE_OCTAL

\060\076\061\013\060\011\006\003\125\004\006\023\002\120\114\061

\033\060\031\006\003\125\004\012\023\022\125\156\151\172\145\164

\157\040\123\160\056\040\172\040\157\056\157\056\061\022\060\020

\006\003\125\004\003\023\011\103\145\162\164\165\155\040\103\101

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\002\003\001\000\040

END

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

CKA_TRUST_EMAIL_PROTECTION

CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#

Certificate "Comodo AAA Services root"

#

Issuer: CN=AAA Certificate Services,O=Comodo CA Limited,L=Salford,ST=Greater Manchester,C=GB

Serial Number: 1 (0x1)

Subject: CN=AAA Certificate Services,O=Comodo CA Limited,L=Salford,ST=Greater Manchester,C=GB

Not Valid Before: Thu Jan 01 00:00:00 2004

Not Valid After : Sun Dec 31 23:59:59 2028

Fingerprint (SHA-256):

D7:A7:A0:FB:5D:7E:27:31:D7:71:E9:48:4E:BC:DE:F7:1D:5F:0C:3E:0A:29:48:78:2B:C8:3E:E0:EA:69:9E:F4

Fingerprint (SHA1): D1:EB:23:A4:6D:17:D6:8F:D9:25:64:C2:F1:F1:60:17:64:D8:E3:49

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "Comodo AAA Services root"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL

\060\173\061\013\060\011\006\003\125\004\006\023\002\107\102\061
\033\060\031\006\003\125\004\010\014\022\107\162\145\141\164\145
\162\040\115\141\156\143\150\145\163\164\145\162\061\020\060\016
\006\003\125\004\007\014\007\123\141\154\146\157\162\144\061\032
\060\030\006\003\125\004\012\014\021\103\157\155\157\144\157\040
\103\101\040\114\151\155\151\164\145\144\061\041\060\037\006\003
\125\004\003\014\030\101\101\101\040\103\145\162\164\151\146\151
\143\141\164\145\040\123\145\162\166\151\143\145\163

END

CKA_ID

UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

\060\173\061\013\060\011\006\003\125\004\006\023\002\107\102\061
\033\060\031\006\003\125\004\010\014\022\107\162\145\141\164\145
\162\040\115\141\156\143\150\145\163\164\145\162\061\020\060\016
\006\003\125\004\007\014\007\123\141\154\146\157\162\144\061\032
\060\030\006\003\125\004\012\014\021\103\157\155\157\144\157\040
\103\101\040\114\151\155\151\164\145\144\061\041\060\037\006\003
\125\004\003\014\030\101\101\101\040\103\145\162\164\151\146\151
\143\141\164\145\040\123\145\162\166\151\143\145\163

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

\002\001\001

END

CKA_VALUE MULTILINE_OCTAL

\060\202\004\062\060\202\003\032\240\003\002\001\002\002\001\001
\060\015\006\011\052\206\110\206\367\015\001\001\005\005\000\060
\173\061\013\060\011\006\003\125\004\006\023\002\107\102\061\033
\060\031\006\003\125\004\010\014\022\107\162\145\141\164\145\162
\040\115\141\156\143\150\145\163\164\145\162\061\020\060\016\006
\003\125\004\007\014\007\123\141\154\146\157\162\144\061\032\060
\030\006\003\125\004\012\014\021\103\157\155\157\144\157\040\103
\101\040\114\151\155\151\164\145\144\061\041\060\037\006\003\125
\004\003\014\030\101\101\101\040\103\145\162\164\151\146\151\143
\141\164\145\040\123\145\162\166\151\143\145\163\060\036\027\015
\060\064\060\061\060\061\060\060\060\060\060\060\132\027\015\062
\070\061\062\063\061\062\063\065\071\065\071\132\060\173\061\013
\060\011\006\003\125\004\006\023\002\107\102\061\033\060\031\006
\003\125\004\010\014\022\107\162\145\141\164\145\162\040\115\141
\156\143\150\145\163\164\145\162\061\020\060\016\006\003\125\004
\007\014\007\123\141\154\146\157\162\144\061\032\060\030\006\003
\125\004\012\014\021\103\157\155\157\144\157\040\103\101\040\114
\151\155\151\164\145\144\061\041\060\037\006\003\125\004\003\014
\030\101\101\101\040\103\145\162\164\151\146\151\143\141\164\145
\040\123\145\162\166\151\143\145\163\060\202\001\042\060\015\006
\011\052\206\110\206\367\015\001\001\001\005\000\003\202\001\017

\000\060\202\001\012\002\202\001\001\000\276\100\235\364\156\341
\352\166\207\034\115\105\104\216\276\106\310\203\006\235\301\052
\376\030\037\216\344\002\372\363\253\135\120\212\026\061\013\232
\006\320\305\160\042\315\111\055\124\143\314\266\156\150\106\013
\123\352\313\114\044\300\274\162\116\352\361\025\256\364\124\232
\022\012\303\172\262\063\140\342\332\211\125\363\042\130\363\336
\334\317\357\203\206\242\214\224\117\237\150\362\230\220\106\204
\047\307\166\277\343\314\065\054\213\136\007\144\145\202\300\110
\260\250\221\371\141\237\166\040\120\250\221\307\146\265\353\170
\142\003\126\360\212\032\023\352\061\243\036\240\231\375\070\366
\366\047\062\130\157\007\365\153\270\373\024\053\257\267\252\314
\326\143\137\163\214\332\005\231\250\070\250\313\027\170\066\121
\254\351\236\364\170\072\215\317\017\331\102\342\230\014\253\057
\237\016\001\336\357\237\231\111\361\055\337\254\164\115\033\230
\265\107\305\345\051\321\371\220\030\307\142\234\276\203\307\046
\173\076\212\045\307\300\335\235\346\065\150\020\040\235\217\330
\336\322\303\204\234\015\136\350\057\311\002\003\001\000\001\243
\201\300\060\201\275\060\035\006\003\125\035\016\004\026\004\024
\240\021\012\043\076\226\361\007\354\342\257\051\357\202\245\177
\320\060\244\264\060\016\006\003\125\035\017\001\001\377\004\004
\003\002\001\006\060\017\006\003\125\035\023\001\001\377\004\005
\060\003\001\001\377\060\173\006\003\125\035\037\004\164\060\162
\060\070\240\066\240\064\206\062\150\164\164\160\072\057\057\143
\162\154\056\143\157\155\157\144\157\143\141\056\143\157\155\057
\101\101\101\103\145\162\164\151\146\151\143\141\164\145\123\145
\162\166\151\143\145\163\056\143\162\154\060\066\240\064\240\062
\206\060\150\164\164\160\072\057\057\143\162\154\056\143\157\155
\157\144\157\056\156\145\164\057\101\101\101\103\145\162\164\151
\146\151\143\141\164\145\123\145\162\166\151\143\145\163\056\143
\162\154\060\015\006\011\052\206\110\206\367\015\001\001\005\005
\000\003\202\001\001\000\010\126\374\002\360\233\350\377\244\372
\326\173\306\104\200\316\117\304\305\366\000\130\314\246\266\274
\024\111\150\004\166\350\346\356\135\354\002\017\140\326\215\120
\030\117\046\116\001\343\346\260\245\356\277\274\164\124\101\277
\375\374\022\270\307\117\132\364\211\140\005\177\140\267\005\112
\363\366\361\302\277\304\271\164\206\266\055\175\153\314\322\363
\106\335\057\306\340\152\303\303\064\003\054\175\226\335\132\302
\016\247\012\231\301\005\213\253\014\057\363\134\072\317\154\067
\125\011\207\336\123\100\154\130\357\374\266\253\145\156\004\366
\033\334\074\340\132\025\306\236\331\361\131\110\060\041\145\003
\154\354\351\041\163\354\233\003\241\340\067\255\240\025\030\217
\372\272\002\316\247\054\251\020\023\054\324\345\010\046\253\042
\227\140\370\220\136\164\324\242\232\123\275\362\251\150\340\242
\156\302\327\154\261\243\017\236\277\353\150\347\126\362\256\362
\343\053\070\072\011\201\265\153\205\327\276\055\355\077\032\267
\262\143\342\365\142\054\202\324\152\000\101\120\361\071\203\237
\225\351\066\226\230\156

END

```

CKA_NSS_MOZILLA_CA_POLICY
CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

# Trust for "Comodo AAA Services root"
# Issuer: CN=AAA Certificate Services,O=Comodo CA Limited,L=Salford,ST=Greater Manchester,C=GB
# Serial Number: 1 (0x1)
# Subject: CN=AAA Certificate Services,O=Comodo CA Limited,L=Salford,ST=Greater Manchester,C=GB
# Not Valid Before: Thu Jan 01 00:00:00 2004
# Not Valid After : Sun Dec 31 23:59:59 2028
# Fingerprint
(SHA-256):
D7:A7:A0:FB:5D:7E:27:31:D7:71:E9:48:4E:BC:DE:F7:1D:5F:0C:3E:0A:29:48:78:2B:C8:3E:E0:EA:69:9E:F4
# Fingerprint (SHA1): D1:EB:23:A4:6D:17:D6:8F:D9:25:64:C2:F1:F1:60:17:64:D8:E3:49
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Comodo AAA Services root"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\321\353\043\244\155\027\326\217\331\045\144\302\361\361\140\027
\144\330\343\111
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\111\171\004\260\353\207\031\254\107\260\274\021\121\233\164\320
END
CKA_ISSUER MULTILINE_OCTAL
\060\173\061\013\060\011\006\003\125\004\006\023\002\107\102\061
\033\060\031\006\003\125\004\010\014\022\107\162\145\141\164\145
\162\040\115\141\156\143\150\145\163\164\145\162\061\020\060\016
\006\003\125\004\007\014\007\123\141\154\146\157\162\144\061\032
\060\030\006\003\125\004\012\014\021\103\157\155\157\144\157\040
\103\101\040\114\151\155\151\164\145\144\061\041\060\037\006\003
\125\004\003\014\030\101\101\101\040\103\145\162\164\151\146\151
\143\141\164\145\040\123\145\162\166\151\143\145\163
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\001\001
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "QuoVadis Root CA 2"

```



```

#
# Issuer: CN=QuoVadis Root CA 2,O=QuoVadis Limited,C=BM
# Serial Number: 1289 (0x509)
# Subject: CN=QuoVadis Root CA 2,O=QuoVadis Limited,C=BM
# Not Valid Before: Fri Nov 24 18:27:00 2006
# Not Valid After : Mon Nov 24 18:23:33 2031
# Fingerprint (SHA-256):
85:A0:DD:7D:D7:20:AD:B7:FF:05:F8:3D:54:2B:20:9D:C7:FF:45:28:F7:D6:77:B1:83:89:FE:A5:E5:C4:9E:86
# Fingerprint (SHA1): CA:3A:FB:CF:12:40:36:4B:44:B2:16:20:88:80:48:39:19:93:7C:F7
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL
CK_FALSE
CKA_LABEL UTF8 "QuoVadis Root CA 2"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\105\061\013\060\011\006\003\125\004\006\023\002\102\115\061
\031\060\027\006\003\125\004\012\023\020\121\165\157\126\141\144
\151\163\040\114\151\155\151\164\145\144\061\033\060\031\006\003
\125\004\003\023\022\121\165\157\126\141\144\151\163\040\122\157
\157\164\040\103\101\040\062
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\105\061\013\060\011\006\003\125\004\006\023\002\102\115\061
\031\060\027\006\003\125\004\012\023\020\121\165\157\126\141\144
\151\163\040\114\151\155\151\164\145\144\061\033\060\031\006\003
\125\004\003\023\022\121\165\157\126\141\144\151\163\040\122\157
\157\164\040\103\101\040\062
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\002\005\011
END
CKA_VALUE MULTILINE_OCTAL
\060\202\005\267\060\202\003\237\240\003\002\001\002\002\002\005
\011\060\015\006\011\052\206\110\206\367\015\001\001\005\005\000
\060\105\061\013\060\011\006\003\125\004\006\023\002\102\115\061
\031\060\027\006\003\125\004\012\023\020\121\165\157\126\141\144
\151\163\040\114\151\155\151\164\145\144\061\033\060\031\006\003
\125\004\003\023\022\121\165\157\126\141\144\151\163\040\122\157
\157\164\040\103\101\040\062\060\036\027\015\060\066\061\061\062
\064\061\070\062\067\060\060\132\027\015\063\061\061\061\062\064
\061\070\062\063\063\063\132\060\105\061\013\060\011\006\003\125
\004\006\023\002\102\115\061\031\060\027\006\003\125\004\012\023
\020\121\165\157\126\141\144\151\163\040\114\151\155\151\164\145
\144\061\033\060\031\006\003\125\004\003\023\022\121\165\157\126
\141\144\151\163\040\122\157\157\164\040\103\101\040\062\060\202

```

\002\042\060\015\006\011\052\206\110\206\367\015\001\001\001\005
\000\003\202\002\017\000\060\202\002\012\002\202\002\001\000\232
\030\312\113\224\015\000\055\257\003\051\212\360\017\201\310\256
\114\031\205\035\010\237\253\051\104\205\363\057\201\255\062\036
\220\106\277\243\206\046\032\036\376\176\034\030\072\134\234\140
\027\052\072\164\203\063\060\175\141\124\021\313\355\253\340\346
\322\242\176\365\153\157\030\267\012\013\055\375\351\076\357\012
\306\263\020\351\334\302\106\027\370\135\375\244\332\377\236\111
\132\234\346\063\346\044\226\367\077\272\133\053\034\172\065\302
\326\147\376\253\146\120\213\155\050\140\053\357\327\140\303\307
\223\274\215\066\221\363\177\370\333\021\023\304\234\167\166\301
\256\267\002\152\201\172\251\105\203\342\005\346\271\126\301\224
\067\217\110\161\143\042\354\027\145\007\225\212\113\337\217\306
\132\012\345\260\343\137\136\153\021\253\014\371\205\353\104\351
\370\004\163\362\351\376\134\230\214\365\163\257\153\264\176\315
\324\134\002\053\114\071\341\262\225\225\055\102\207\327\325\263
\220\103\267\154\023\361\336\335\366\304\370\211\077\321\165\365
\222\303\221\325\212\210\320\220\354\334\155\336\211\302\145\161
\226\213\015\003\375\234\277\133\026\254\222\333\352\376\171\174
\255\353\257\367\026\313\333\315\045\053\345\037\373\232\237\342
\121\314\072\123\014\110\346\016\275\311\264\166\006\122\346\021
\023\205\162\143\003\004\340\004\066\053\040\031\002\350\164\247
\037\266\311\126\146\360\165\045\334\147\301\016\141\140\210\263
\076\321\250\374\243\332\035\260\321\261\043\124\337\104\166\155
\355\101\330\301\262\042\266\123\034\337\065\035\334\241\167\052
\061\344\055\365\345\345\333\310\340\377\345\200\327\013\143\240
\377\063\241\017\272\054\025\025\352\227\263\322\242\265\276\362
\214\226\036\032\217\035\154\244\141\067\271\206\163\063\327\227
\226\236\043\175\202\244\114\201\342\241\321\272\147\137\225\007
\243\047\021\356\026\020\173\274\105\112\114\262\004\322\253\357
\325\375\014\121\316\120\152\010\061\371\221\332\014\217\144\134
\003\303\072\213\040\077\156\215\147\075\072\326\376\175\133\210
\311\136\373\314\141\334\213\063\167\323\104\062\065\011\142\004
\222\026\020\330\236\047\107\373\073\041\343\370\353\035\133\002
\003\001\000\001\243\201\260\060\201\255\060\017\006\003\125\035
\023\001\001\377\004\005\060\003\001\001\377\060\013\006\003\125
\035\017\004\004\003\002\001\006\060\035\006\003\125\035\016\004
\026\004\024\032\204\142\274\110\114\063\045\004\324\356\320\366
\003\304\031\106\321\224\153\060\156\006\003\125\035\043\004\147
\060\145\200\024\032\204\142\274\110\114\063\045\004\324\356\320
\366\003\304\031\106\321\224\153\241\111\244\107\060\105\061\013
\060\011\006\003\125\004\006\023\002\102\115\061\031\060\027\006
\003\125\004\012\023\020\121\165\157\126\141\144\151\163\040\114
\151\155\151\164\145\144\061\033\060\031\006\003\125\004\003\023
\022\121\165\157\126\141\144\151\163\040\122\157\157\164\040\103
\101\040\062\202\002\005\011\060\015\006\011\052\206\110\206\367
\015\001\001\005\005\000\003\202\002\001\000\076\012\026\115\237
\006\133\250\256\161\135\057\005\057\147\346\023\105\203\304\066

\366\363\300\046\014\015\265\107\144\135\370\264\162\311\106\245
\003\030\047\125\211\170\175\166\352\226\064\200\027\040\334\347
\203\370\215\374\007\270\332\137\115\056\147\262\204\375\331\104
\374\167\120\201\346\174\264\311\015\013\162\123\370\166\007\007
\101\107\226\014\373\340\202\046\223\125\214\376\042\037\140\145
\174\137\347\046\263\367\062\220\230\120\324\067\161\125\366\222
\041\170\367\225\171\372\370\055\046\207\146\126\060\167\246\067
\170\063\122\020\130\256\077\141\216\362\152\261\357\030\176\112
\131\143\312\215\242\126\325\247\057\274\126\037\317\071\301\342
\373\012\250\025\054\175\115\172\143\306\154\227\104\074\322\157
\303\112\027\012\370\220\322\127\242\031\121\245\055\227\101\332
\007\117\251\120\332\220\215\224\106\341\076\360\224\375\020\000
\070\365\073\350\100\341\264\156\126\032\040\314\157\130\215\355
\056\105\217\326\351\223\077\347\261\054\337\072\326\042\214\334
\204\273\042\157\320\370\344\306\071\351\004\210\074\303\272\353
\125\172\155\200\231\044\365\154\001\373\370\227\260\224\133\353
\375\322\157\361\167\150\015\065\144\043\254\270\125\241\003\321
\115\102\031\334\370\165\131\126\243\371\250\111\171\370\257\016
\271\021\240\174\267\152\355\064\320\266\046\142\070\032\207\014
\370\350\375\056\323\220\177\007\221\052\035\326\176\134\205\203
\231\260\070\010\077\351\136\371\065\007\344\311\142\156\127\177
\247\120\225\367\272\310\233\346\216\242\001\305\326\146\277\171
\141\363\074\034\341\271\202\134\135\240\303\351\330\110\275\031
\242\021\024\031\156\262\206\033\150\076\110\067\032\210\267\135
\226\136\234\307\357\047\142\010\342\221\031\134\322\361\041\335
\272\027\102\202\227\161\201\123\061\251\237\366\175\142\277\162
\341\243\223\035\314\212\046\132\011\070\320\316\327\015\200\026
\264\170\245\072\207\114\215\212\245\325\106\227\362\054\020\271
\274\124\042\300\001\120\151\103\236\364\262\357\155\370\354\332
\361\343\261\357\337\221\217\124\052\013\045\301\046\031\304\122
\020\005\145\325\202\020\352\302\061\315\056

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "QuoVadis Root CA 2"

Issuer: CN=QuoVadis Root

CA 2,O=QuoVadis Limited,C=BM

Serial Number: 1289 (0x509)

Subject: CN=QuoVadis Root CA 2,O=QuoVadis Limited,C=BM

Not Valid Before: Fri Nov 24 18:27:00 2006

Not Valid After : Mon Nov 24 18:23:33 2031

Fingerprint (SHA-256):

85:A0:DD:7D:D7:20:AD:B7:FF:05:F8:3D:54:2B:20:9D:C7:FF:45:28:F7:D6:77:B1:83:89:FE:A5:E5:C4:9E:86

Fingerprint (SHA1): CA:3A:FB:CF:12:40:36:4B:44:B2:16:20:88:80:48:39:19:93:7C:F7

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

```

CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "QuoVadis Root CA 2"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\312\072\373\317\022\100\066\113\104\262\026\040\210\200\110\071
\031\223\174\367
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\136\071\173\335\370\272\354\202\351\254\142\272\014\124\000\053
END
CKA_ISSUER MULTILINE_OCTAL
\060\105\061\013\060\011\006\003\125\004\006\023\002\102\115\061
\031\060\027\006\003\125\004\012\023\020\121\165\157\126\141\144
\151\163\040\114\151\155\151\164\145\144\061\033\060\031\006\003
\125\004\003\023\022\121\165\157\126\141\144\151\163\040\122\157
\157\164\040\103\101\040\062
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\002\005\011
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "QuoVadis Root CA 3"
#
# Issuer: CN=QuoVadis Root CA 3,O=QuoVadis Limited,C=BM
# Serial Number: 1478 (0x5c6)
# Subject: CN=QuoVadis Root CA 3,O=QuoVadis Limited,C=BM
# Not Valid Before: Fri Nov 24 19:11:23 2006
# Not Valid After : Mon Nov 24 19:06:44 2031
# Fingerprint (SHA-256):
18:F1:FC:7F:20:5D:F8:AD:DD:EB:7F:E0:07:DD:57:E3:AF:37:5A:9C:4D:8D:73:54:6B:F4:F1:FE:D1:E1:8D:35
# Fingerprint (SHA1): 1F:49:14:F7:D8:74:95:1D:DD:AE:02:C0:BE:FD:3A:2D:82:75:51:85
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL
UTF8 "QuoVadis Root CA 3"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\105\061\013\060\011\006\003\125\004\006\023\002\102\115\061
\031\060\027\006\003\125\004\012\023\020\121\165\157\126\141\144

```

\151\163\040\114\151\155\151\164\145\144\061\033\060\031\006\003
\125\004\003\023\022\121\165\157\126\141\144\151\163\040\122\157
\157\164\040\103\101\040\063

END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

\060\105\061\013\060\011\006\003\125\004\006\023\002\102\115\061
\031\060\027\006\003\125\004\012\023\020\121\165\157\126\141\144
\151\163\040\114\151\155\151\164\145\144\061\033\060\031\006\003
\125\004\003\023\022\121\165\157\126\141\144\151\163\040\122\157
\157\164\040\103\101\040\063

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\002\002\005\306

END

CKA_VALUE MULTILINE_OCTAL

\060\202\006\235\060\202\004\205\240\003\002\001\002\002\002\005
\306\060\015\006\011\052\206\110\206\367\015\001\001\005\005\000
\060\105\061\013\060\011\006\003\125\004\006\023\002\102\115\061
\031\060\027\006\003\125\004\012\023\020\121\165\157\126\141\144
\151\163\040\114\151\155\151\164\145\144\061\033\060\031\006\003
\125\004\003\023\022\121\165\157\126\141\144\151\163\040\122\157
\157\164\040\103\101\040\063\060\036\027\015\060\066\061\061\062
\064\061\071\061\061\062\063\132\027\015\063\061\061\061\062\064
\061\071\060\066\064\064\132\060\105\061\013\060\011\006\003\125
\004\006\023\002\102\115\061\031\060\027\006\003\125\004\012\023
\020\121\165\157\126\141\144\151\163\040\114\151\155\151\164\145
\144\061\033\060\031\006\003\125\004\003\023\022\121\165\157\126
\141\144\151\163\040\122\157\157\164\040\103\101\040\063\060\202
\002\042\060\015\006\011\052\206\110\206\367\015\001\001\001\005
\000\003\202\002\017\000\060\202\002\012\002\202\002\001\000\314
\127\102\026\124\234\346\230\323\323\115\356\376\355\307\237\103
\071\112\145\263\350\026\210\064\333\015\131\221\164\317\222\270
\004\100\255\002\113\061\253\274\215\221\150\330\040\016\032\001
\342\032\173\116\027\135\342\212\267\077\231\032\315\353\141\253
\302\145\246\037\267\267\275\267\217\374\375\160\217\013\240\147
\276\001\242\131\317\161\346\017\051\166\377\261\126\171\105\053
\037\236\172\124\350\243\051\065\150\244\001\117\017\244\056\067
\357\033\277\343\217\020\250\162\253\130\127\347\124\206\310\311
\363\133\332\054\332\135\216\156\074\243\076\332\373\202\345\335
\362\134\262\005\063\157\212\066\316\320\023\116\377\277\112\014
\064\114\246\303\041\275\120\004\125\353\261\273\235\373\105\036
\144\025\336\125\001\214\002\166\265\313\241\077\102\151\274\057
\275\150\103\026\126\211\052\067\141\221\375\246\256\116\300\313
\024\145\224\067\113\222\006\357\004\320\310\234\210\333\013\173
\201\257\261\075\052\304\145\072\170\266\356\334\200\261\322\323
\231\234\072\356\153\132\153\263\215\267\325\316\234\302\276\245
\113\057\026\261\236\150\073\006\157\256\175\237\370\336\354\314

\051\247\230\243\045\103\057\357\361\137\046\341\210\115\370\136
\156\327\331\024\156\031\063\151\247\073\204\211\223\304\123\125
\023\241\121\170\100\370\270\311\242\356\173\272\122\102\203\236
\024\355\005\122\132\131\126\247\227\374\235\077\012\051\330\334
\117\221\016\023\274\336\225\244\337\213\231\276\254\233\063\210
\357\265\201\257\033\306\042\123\310\366\307\356\227\024\260\305
\174\170\122\310\360\316\156\167\140\204\246\351\052\166\040\355
\130\001\027\060\223\351\032\213\340\163\143\331\152\222\224\111
\116\264\255\112\205\304\243\042\060\374\011\355\150\042\163\246
\210\014\125\041\130\305\341\072\237\052\335\312\341\220\340\331
\163\253\154\200\270\350\013\144\223\240\234\214\031\377\263\322
\014\354\221\046\207\212\263\242\341\160\217\054\012\345\315\155
\150\121\353\332\077\005\177\213\062\346\023\134\153\376\137\100
\342\042\310\264\264\144\117\326\272\175\110\076\250\151\014\327
\273\206\161\311\163\270\077\073\235\045\113\332\377\100\353\002
\003\001\000\001\243\202\001\225\060\202\001\221\060\017\006\003
\125\035\023\001\001\377\004\005\060\003\001\001\377\060\201\341
\006\003\125\035\040\004\201\331\060\201\326\060\201\323\006\011
\053\006\001\004\001\276\130\000\003\060\201\305\060\201\223\006
\010\053\006\001\005\005\007\002\002\060\201\206\032\201\203\101
\156\171\040\165\163\145\040\157\146\040\164\150\151\163\040\103
\145\162\164\151\146\151\143\141\164\145\040\143\157\156\163\164
\151\164\165\164\145\163\040\141\143\143\145\160\164\141\156\143
\145\040\157\146\040\164\150\145\040\121\165\157\126\141\144\151
\163\040\122\157\157\164\040\103\101\040\063\040\103\145\162\164
\151\146\151\143\141\164\145\040\120\157\154\151\143\171\040\057
\040\103\145\162\164\151\146\151\143\141\164\151\157\156\040\120
\162\141\143\164\151\143\145\040\123\164\141\164\145\155\145\156
\164\056\060\055\006\010\053\006\001\005\005\007\002\001\026\041
\150\164\164\160\072\057\057\167\167\167\056\161\165\157\166\141
\144\151\163\147\154\157\142\141\154\056\143\157\155\057\143\160
\163\060\013\006\003\125\035\017\004\004\003\002\001\006\060\035
\006\003\125\035\016\004\026\004\024\362\300\023\340\202\103\076
\373\356\057\147\062\226\065\134\333\270\313\002\320\060\156\006
\003\125\035\043\004\147\060\145\200\024\362\300\023\340\202\103
\076\373\356\057\147\062\226\065\134\333\270\313\002\320\241\111
\244\107\060\105\061\013\060\011\006\003\125\004\006\023\002\102
\115\061\031\060\027\006\003\125\004\012\023\020\121\165\157\126
\141\144\151\163\040\114\151\155\151\164\145\144\061\033\060\031
\006\003\125\004\003\023\022\121\165\157\126\141\144\151\163\040
\122\157\157\164\040\103\101\040\063\202\002\005\306\060\015\006
\011\052\206\110\206\367\015\001\001\005\005\000\003\202\002\001
\000\117\255\240\054\114\372\300\362\157\367\146\125\253\043\064
\356\347\051\332\303\133\266\260\203\331\320\320\342\041\373\363
\140\247\073\135\140\123\047\242\233\366\010\042\052\347\277\240
\162\345\234\044\152\061\261\220\172\047\333\204\021\211\047\246
\167\132\070\327\277\254\206\374\356\135\203\274\006\306\321\167
\153\017\155\044\057\113\172\154\247\007\226\312\343\204\237\255

\210\213\035\253\026\215\133\146\027\331\026\364\213\200\322\335
\370\262\166\303\374\070\023\252\014\336\102\151\053\156\363\074
\353\200\047\333\365\246\104\015\237\132\125\131\013\325\015\122
\110\305\256\237\362\057\200\305\352\062\120\065\022\227\056\301
\341\377\361\043\210\121\070\237\362\146\126\166\347\017\121\227
\245\122\014\115\111\121\225\066\075\277\242\113\014\020\035\206
\231\114\252\363\162\021\223\344\352\366\233\332\250\135\247\115
\267\236\002\256\163\000\310\332\043\003\350\371\352\031\164\142
\000\224\313\042\040\276\224\247\131\265\202\152\276\231\171\172
\251\362\112\044\122\367\164\375\272\116\346\250\035\002\156\261
\015\200\104\301\256\323\043\067\137\273\205\174\053\222\056\350
\176\245\213\335\231\341\277\047\157\055\135\252\173\207\376\012
\335\113\374\216\365\046\344\156\160\102\156\063\354\061\236\173
\223\301\344\311\151\032\075\300\153\116\042\155\356\253\130\115
\306\320\101\301\053\352\117\022\207\136\353\105\330\154\365\230
\002\323\240\330\125\212\006\231\031\242\240\167\321\060\236\254
\314\165\356\203\365\260\142\071\317\154\127\342\114\322\221\013
\016\165\050\033\232\277\375\032\103\361\312\167\373\073\217\141
\270\151\050\026\102\004\136\160\052\034\041\330\217\341\275\043
\133\055\164\100\222\331\143\031\015\163\335\151\274\142\107\274
\340\164\053\262\353\175\276\101\033\265\300\106\305\241\042\313
\137\116\301\050\222\336\030\272\325\052\050\273\021\213\027\223
\230\231\140\224\134\043\317\132\047\227\136\013\005\006\223\067
\036\073\151\066\353\251\236\141\035\217\062\332\216\014\326\164
\076\173\011\044\332\001\167\107\304\073\315\064\214\231\365\312
\341\045\141\063\262\131\033\342\156\327\067\127\266\015\251\022
\332

END

CKA_NSS_Mozilla_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "QuoVadis Root CA 3"

Issuer: CN=QuoVadis Root CA 3,O=QuoVadis Limited,C=BM

Serial Number: 1478 (0x5c6)

Subject:

CN=QuoVadis Root CA 3,O=QuoVadis Limited,C=BM

Not Valid Before: Fri Nov 24 19:11:23 2006

Not Valid After : Mon Nov 24 19:06:44 2031

Fingerprint (SHA-256):

18:F1:FC:7F:20:5D:F8:AD:DD:EB:7F:E0:07:DD:57:E3:AF:37:5A:9C:4D:8D:73:54:6B:F4:F1:FE:D1:E1:8D:35

Fingerprint (SHA1): 1F:49:14:F7:D8:74:95:1D:DD:AE:02:C0:BE:FD:3A:2D:82:75:51:85

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "QuoVadis Root CA 3"

```

CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\037\111\024\367\330\164\225\035\335\256\002\300\276\375\072\055
\202\165\121\205
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\061\205\074\142\224\227\143\271\252\375\211\116\257\157\340\317
END
CKA_ISSUER MULTILINE_OCTAL
\060\105\061\013\060\011\006\003\125\004\006\023\002\102\115\061
\031\060\027\006\003\125\004\012\023\020\121\165\157\126\141\144
\151\163\040\114\151\155\151\164\145\144\061\033\060\031\006\003
\125\004\003\023\022\121\165\157\126\141\144\151\163\040\122\157
\157\164\040\103\101\040\063
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\002\005\306
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "Security Communication Root CA"
#
# Issuer: OU=Security Communication RootCA1,O=SECOM Trust.net,C=JP
# Serial Number: 0 (0x0)
# Subject: OU=Security Communication RootCA1,O=SECOM Trust.net,C=JP
# Not Valid Before: Tue Sep 30 04:20:49 2003
# Not Valid After : Sat Sep 30 04:20:49 2023
# Fingerprint (SHA-256):
E7:5E:72:ED:9F:56:0E:EC:6E:B4:80:00:73:A4:3F:C3:AD:19:19:5A:39:22:82:01:78:95:97:4A:99:02:6B:6C
# Fingerprint (SHA1): 36:B1:2B:49:F9:81:9E:D7:4C:9E:BC:38:0F:C6:56:8F:5D:AC:B2:F7
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Security Communication
Root CA"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\120\061\013\060\011\006\003\125\004\006\023\002\112\120\061
\030\060\026\006\003\125\004\012\023\017\123\105\103\117\115\040
\124\162\165\163\164\056\156\145\164\061\047\060\045\006\003\125
\004\013\023\036\123\145\143\165\162\151\164\171\040\103\157\155
\155\165\156\151\143\141\164\151\157\156\040\122\157\157\164\103
\101\061

```


END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

\060\120\061\013\060\011\006\003\125\004\006\023\002\112\120\061
\030\060\026\006\003\125\004\012\023\017\123\105\103\117\115\040
\124\162\165\163\164\056\156\145\164\061\047\060\045\006\003\125
\004\013\023\036\123\145\143\165\162\151\164\171\040\103\157\155
\155\165\156\151\143\141\164\151\157\156\040\122\157\157\164\103
\101\061

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\002\001\000

END

CKA_VALUE MULTILINE_OCTAL

\060\202\003\132\060\202\002\102\240\003\002\001\002\002\001\000
\060\015\006\011\052\206\110\206\367\015\001\001\005\005\000\060
\120\061\013\060\011\006\003\125\004\006\023\002\112\120\061\030
\060\026\006\003\125\004\012\023\017\123\105\103\117\115\040\124
\162\165\163\164\056\156\145\164\061\047\060\045\006\003\125\004
\013\023\036\123\145\143\165\162\151\164\171\040\103\157\155\155
\165\156\151\143\141\164\151\157\156\040\122\157\157\164\103\101
\061\060\036\027\015\060\063\060\071\063\060\060\064\062\060\064
\071\132\027\015\062\063\060\071\063\060\060\064\062\060\064\071
\132\060\120\061\013\060\011\006\003\125\004\006\023\002\112\120
\061\030\060\026\006\003\125\004\012\023\017\123\105\103\117\115
\040\124\162\165\163\164\056\156\145\164\061\047\060\045\006\003
\125\004\013\023\036\123\145\143\165\162\151\164\171\040\103\157
\155\155\165\156\151\143\141\164\151\157\156\040\122\157\157\164
\103\101\061\060\202\001\042\060\015\006\011\052\206\110\206\367
\015\001\001\001\005\000\003\202\001\017\000\060\202\001\012\002
\202\001\001\000\263\263\376\177\323\155\261\357\026\174\127\245
\014\155\166\212\057\113\277\144\373\114\356\212\360\363\051\174
\365\377\356\052\340\351\351\272\133\144\042\232\232\157\054\072
\046\151\121\005\231\046\334\325\034\152\161\306\232\175\036\235
\335\174\154\306\214\147\147\112\076\370\161\260\031\047\251\011
\014\246\225\277\113\214\014\372\125\230\073\330\350\042\241\113
\161\070\171\254\227\222\151\263\211\176\352\041\150\006\230\024
\226\207\322\141\066\274\155\047\126\236\127\356\300\300\126\375
\062\317\244\331\216\302\043\327\215\250\363\330\045\254\227\344
\160\070\364\266\072\264\235\073\227\046\103\243\241\274\111\131
\162\114\043\060\207\001\130\366\116\276\034\150\126\146\257\315
\101\135\310\263\115\052\125\106\253\037\332\036\342\100\075\333
\315\175\271\222\200\234\067\335\014\226\144\235\334\042\367\144
\213\337\141\336\025\224\122\025\240\175\122\311\113\250\041\311
\306\261\355\313\303\225\140\321\017\360\253\160\370\337\313\115
\176\354\326\372\253\331\275\177\124\362\245\351\171\372\331\326
\166\044\050\163\002\003\001\000\001\243\077\060\075\060\035\006
\003\125\035\016\004\026\004\024\240\163\111\231\150\334\205\133

```
\145\343\233\050\057\127\237\275\063\274\007\110\060\013\006\003
\125\035\017\004\004\003\002\001\006\060\017\006\003\125\035\023
\001\001\377\004\005\060\003\001\001\377\060\015\006\011\052\206
\110\206\367\015\001\001\005\005\000\003\202\001\001\000\150\100
\251\250\273\344\117\135\171\263\005\265\027\263\140\023\353\306
\222\135\340\321\323\152\376\373\276\233\155\277\307\005\155\131
\040\304\034\360\267\332\204\130\002\143\372\110\026\357\117\245
\013\367\112\230\362\077\236\033\255\107\153\143\316\010\107\353
\122\077\170\234\257\115\256\370\325\117\317\232\230\052\020\101
\071\122\304\335\331\233\016\357\223\001\256\262\056\312\150\102
\044\102\154\260\263\072\076\315\351\332\110\304\025\313\351\371
\007\017\222\120\111\212\335\061\227\137\311\351\067\252\073\131
\145\227\224\062\311\263\237\076\072\142\130\305\111\255\142\016
\161\245\062\252\057\306\211\166\103\100\023\023\147\075\242\124
\045\020\313\361\072\362\331\372\333\111\126\273\246\376\247\101
\065\303\340\210\141\311\210\307\337\066\020\042\230\131\352\260
\112\373\126\026\163\156\254\115\367\042\241\117\255\035\172\055
\105\047\345\060\301\136\362\332\023\313\045\102\121\225\107\003
\214\154\041\314\164\102\355\123\377\063\213\217\017\127\001\026
\057\317\246\356\311\160\042\024\275\375\276\154\013\003
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "Security Communication Root CA"

Issuer: OU=Security Communication RootCA1,O=SECOM Trust.net,C=JP

Serial Number: 0 (0x0)

Subject: OU=Security Communication RootCA1,O=SECOM Trust.net,C=JP

Not Valid Before: Tue Sep 30 04:20:49 2003

Not Valid After : Sat Sep 30 04:20:49 2023

Fingerprint (SHA-256):

E7:5E:72:ED:9F:56:0E:EC:6E:B4:80:00:73:A4:3F:C3:AD:19:19:5A:39:22:82:01:78:95:97:4A:99:02:6B:6C

Fingerprint (SHA1): 36:B1:2B:49:F9:81:9E:D7:4C:9E:BC:38:0F:C6:56:8F:5D:AC:B2:F7

CKA_CLASS

CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "Security Communication Root CA"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\066\261\053\111\371\201\236\327\114\236\274\070\017\306\126\217
\135\254\262\367
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\361\274\143\152\124\340\265\047\365\315\347\032\343\115\156\112
```

END

```

CKA_ISSUER MULTILINE_OCTAL
\060\120\061\013\060\011\006\003\125\004\006\023\002\112\120\061
\030\060\026\006\003\125\004\012\023\017\123\105\103\117\115\040
\124\162\165\163\164\056\156\145\164\061\047\060\045\006\003\125
\004\013\023\036\123\145\143\165\162\151\164\171\040\103\157\155
\155\165\156\151\143\141\164\151\157\156\040\122\157\157\164\103
\101\061
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\001\000
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED
CK_BBOOL CK_FALSE

#
# Certificate "Camerfirma Chambers of Commerce Root"
#
# Issuer: CN=Chambers of Commerce Root,OU=http://www.chambersign.org,O=AC Camerfirma SA CIF
A82743287,C=EU
# Serial Number: 0 (0x0)
# Subject: CN=Chambers of Commerce Root,OU=http://www.chambersign.org,O=AC Camerfirma SA CIF
A82743287,C=EU
# Not Valid Before: Tue Sep 30 16:13:43 2003
# Not Valid After : Wed Sep 30 16:13:44 2037
# Fingerprint (SHA-256):
0C:25:8A:12:A5:67:4A:EF:25:F2:8B:A7:DC:FA:EC:EE:A3:48:E5:41:E6:F5:CC:4E:E6:3B:71:B3:61:60:6A:C3
# Fingerprint (SHA1): 6E:3A:55:A4:19:0C:19:5C:93:84:3C:C0:DB:72:2E:31:30:61:F0:B1
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Camerfirma Chambers of Commerce Root"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\177\061\013\060\011\006\003\125\004\006\023\002\105\125\061
\047\060\045\006\003\125\004\012\023\036\101\103\040\103\141\155
\145\162\146\151\162\155\141\040\123\101\040\103\111\106\040\101
\070\062\067\064\063\062\070\067\061\043\060\041\006\003\125\004
\013\023\032\150\164\164\160\072\057\057\167\167\167\056\143\150
\141\155\142\145\162\163\151\147\156\056\157\162\147\061\042\060
\040\006\003\125\004\003\023\031\103\150\141\155\142\145\162\163
\040\157\146\040\103\157\155\155\145\162\143\145\040\122\157\157
\164
END
CKA_ID

```

UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

\060\177\061\013\060\011\006\003\125\004\006\023\002\105\125\061
\047\060\045\006\003\125\004\012\023\036\101\103\040\103\141\155
\145\162\146\151\162\155\141\040\123\101\040\103\111\106\040\101
\070\062\067\064\063\062\070\067\061\043\060\041\006\003\125\004
\013\023\032\150\164\164\160\072\057\057\167\167\167\056\143\150
\141\155\142\145\162\163\151\147\156\056\157\162\147\061\042\060
\040\006\003\125\004\003\023\031\103\150\141\155\142\145\162\163
\040\157\146\040\103\157\155\155\145\162\143\145\040\122\157\157
\164

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

\002\001\000

END

CKA_VALUE MULTILINE_OCTAL

\060\202\004\275\060\202\003\245\240\003\002\001\002\002\001\000
\060\015\006\011\052\206\110\206\367\015\001\001\005\005\000\060
\177\061\013\060\011\006\003\125\004\006\023\002\105\125\061\047
\060\045\006\003\125\004\012\023\036\101\103\040\103\141\155\145
\162\146\151\162\155\141\040\123\101\040\103\111\106\040\101\070
\062\067\064\063\062\070\067\061\043\060\041\006\003\125\004\013
\023\032\150\164\164\160\072\057\057\167\167\167\056\143\150\141
\155\142\145\162\163\151\147\156\056\157\162\147\061\042\060\040
\006\003\125\004\003\023\031\103\150\141\155\142\145\162\163\040
\157\146\040\103\157\155\155\145\162\143\145\040\122\157\157\164
\060\036\027\015\060\063\060\071\063\060\061\066\061\063\064\064\063
\132\027\015\063\067\060\071\063\060\061\066\061\063\064\064\132
\060\177\061\013\060\011\006\003\125\004\006\023\002\105\125\061
\047\060\045\006\003\125\004\012\023\036\101\103\040\103\141\155
\145\162\146\151\162\155\141\040\123\101\040\103\111\106\040\101
\070\062\067\064\063\062\070\067\061\043\060\041\006\003\125\004
\013\023\032\150\164\164\160\072\057\057\167\167\167\056\143\150
\141\155\142\145\162\163\151\147\156\056\157\162\147\061\042\060
\040\006\003\125\004\003\023\031\103\150\141\155\142\145\162\163
\040\157\146\040\103\157\155\155\145\162\143\145\040\122\157\157
\164\060\202\001\040\060\015\006\011\052\206\110\206\367\015\001
\001\001\005\000\003\202\001\015\000\060\202\001\010\002\202\001
\001\000\267\066\125\345\245\135\030\060\340\332\211\124\221\374
\310\307\122\370\057\120\331\357\261\165\163\145\107\175\033\133
\272\165\305\374\241\210\044\372\057\355\312\010\112\071\124\304
\121\172\265\332\140\352\070\074\201\262\313\361\273\331\221\043
\077\110\001\160\165\251\005\052\255\037\161\363\311\124\075\035
\006\152\100\076\263\014\205\356\134\033\171\302\142\304\270\066
\216\065\135\001\014\043\004\107\065\252\233\140\116\240\146\075
\313\046\012\234\100\241\364\135\230\277\161\253\245\000\150\052
\355\203\172\017\242\024\265\324\042\263\200\260\074\014\132\121

\151\055\130\030\217\355\231\236\361\256\342\225\346\366\107\250
\326\014\017\260\130\130\333\303\146\067\236\233\221\124\063\067
\322\224\034\152\110\311\311\362\245\332\245\014\043\367\043\016
\234\062\125\136\161\234\204\005\121\232\055\375\346\116\052\064
\132\336\312\100\067\147\014\124\041\125\167\332\012\014\314\227
\256\200\334\224\066\112\364\076\316\066\023\036\123\344\254\116
\072\005\354\333\256\162\234\070\213\320\071\073\211\012\076\167
\376\165\002\001\003\243\202\001\104\060\202\001\100\060\022\006
\003\125\035\023\001\001\377\004\010\060\006\001\001\377\002\001
\014\060\074\006\003\125\035\037\004\065\060\063\060\061\240\057
\240\055\206\053\150\164\164\160\072\057\057\143\162\154\056\143
\150\141\155\142\145\162\163\151\147\156\056\157\162\147\057\143
\150\141\155\142\145\162\163\162\157\157\164\056\143\162\154\060
\035\006\003\125\035\016\004\026\004\024\343\224\365\261\115\351
\333\241\051\133\127\213\115\166\006\166\341\321\242\212\060\016
\006\003\125\035\017\001\001\377\004\004\003\002\001\006\060\021
\006\011\140\206\110\001\206\370\102\001\001\004\004\003\002\000
\007\060\047\006\003\125\035\021\004\040\060\036\201\034\143\150
\141\155\142\145\162\163\162\157\157\164\100\143\150\141\155\142
\145\162\163\151\147\156\056\157\162\147\060\047\006\003\125\035
\022\004\040\060\036\201\034\143\150\141\155\142\145\162\163\162
\157\157\164\100\143\150\141\155\142\145\162\163\151\147\156\056
\157\162\147\060\130\006\003\125\035\040\004\121\060\117\060\115
\006\013\053\006\001\004\001\201\207\056\012\003\001\060\076\060
\074\006\010\053\006\001\005\005\007\002\001\026\060\150\164\164
\160\072\057\057\143\160\163\056\143\150\141\155\142\145\162\163
\151\147\156\056\157\162\147\057\143\160\163\057\143\150\141\155
\142\145\162\163\162\157\157\164\056\150\164\155\154\060\015\006
\011\052\206\110\206\367\015\001\001\005\005\000\003\202\001\001
\000\014\101\227\302\032\206\300\042\174\237\373\220\363\032\321
\003\261\357\023\371\041\137\004\234\332\311\245\215\047\154\226
\207\221\276\101\220\001\162\223\347\036\175\137\366\211\306\135
\247\100\011\075\254\111\105\105\334\056\215\060\150\262\011\272
\373\303\057\314\272\013\337\077\167\173\106\175\072\022\044\216
\226\217\074\005\012\157\322\224\050\035\155\014\300\056\210\042
\325\330\317\035\023\307\360\110\327\327\005\247\317\307\107\236
\073\074\064\310\200\117\324\024\273\374\015\120\367\372\263\354
\102\137\251\335\155\310\364\165\317\173\301\162\046\261\001\034
\134\054\375\172\116\264\001\305\005\127\271\347\074\252\005\331
\210\351\007\106\101\316\357\101\201\256\130\337\203\242\256\312
\327\167\037\347\000\074\235\157\216\344\062\011\035\115\170\064
\170\064\074\224\233\046\355\117\161\306\031\172\275\040\042\110
\132\376\113\175\003\267\347\130\276\306\062\116\164\036\150\335
\250\150\133\263\076\356\142\175\331\200\350\012\165\172\267\356
\264\145\232\041\220\340\252\320\230\274\070\265\163\074\213\370
\334

END

CKA_NSS_MOZILLA_CA_POLICY

```

CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
# For Email Distrust After: Mon Mar 01 00:00:00 2021
CKA_NSS_EMAIL_DISTRUST_AFTER MULTILINE_OCTAL
\062\061\060\063\060\061\060\060\060\060\060\060\132
END

# Trust for "Camerfirma Chambers of Commerce Root"
# Issuer: CN=Chambers of Commerce Root,OU=http://www.chambersign.org,O=AC Camerfirma SA CIF
A82743287,C=EU
# Serial Number: 0 (0x0)
# Subject: CN=Chambers of Commerce Root,OU=http://www.chambersign.org,O=AC Camerfirma SA CIF
A82743287,C=EU
# Not Valid Before: Tue Sep 30 16:13:43 2003
# Not Valid After : Wed Sep 30 16:13:44 2037
# Fingerprint (SHA-256):
0C:25:8A:12:A5:67:4A:EF:25:F2:8B:A7:DC:FA:EC:EE:A3:48:E5:41:E6:F5:CC:4E:E6:3B:71:B3:61:60:6A:C3
# Fingerprint (SHA1): 6E:3A:55:A4:19:0C:19:5C:93:84:3C:C0:DB:72:2E:31:30:61:F0:B1
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL
CK_FALSE
CKA_LABEL UTF8 "Camerfirma Chambers of Commerce Root"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\156\072\125\244\031\014\031\134\223\204\074\300\333\162\056\061
\060\141\360\261
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\260\001\356\024\331\257\051\030\224\166\216\361\151\063\052\204
END
CKA_ISSUER MULTILINE_OCTAL
\060\177\061\013\060\011\006\003\125\004\006\023\002\105\125\061
\047\060\045\006\003\125\004\012\023\036\101\103\040\103\141\155
\145\162\146\151\162\155\141\040\123\101\040\103\111\106\040\101
\070\062\067\064\063\062\070\067\061\043\060\041\006\003\125\004
\013\023\032\150\164\164\160\072\057\057\167\167\167\056\143\150
\141\155\142\145\162\163\151\147\156\056\157\162\147\061\042\060
\040\006\003\125\004\003\023\031\103\150\141\155\142\145\162\163
\040\157\146\040\103\157\155\155\145\162\143\145\040\122\157\157
\164
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\001\000
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING

```

```

CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "XRamp Global CA Root"
#
# Issuer: CN=XRamp Global Certification Authority,O=XRamp Security Services
Inc,OU=www.xrampsecurity.com,C=US
# Serial Number:50:94:6c:ec:18:ea:d5:9c:4d:d5:97:ef:75:8f:a0:ad
# Subject: CN=XRamp Global Certification Authority,O=XRamp Security Services
Inc,OU=www.xrampsecurity.com,C=US
# Not Valid Before: Mon Nov 01 17:14:04 2004
# Not Valid After : Mon Jan 01 05:37:19 2035
# Fingerprint (SHA-256):
CE:CD:DC:90:50:99:D8:DA:DF:C5:B1:D2:09:B7:37:CB:E2:C1:8C:FB:2C:10:C0:FF:0B:CF:0D:32:86:FC:1A:A2
# Fingerprint (SHA1): B8:01:86:D1:EB:9C:86:A5:41:04:CF:30:54:F3:4C:52:B7:E5:58:C6
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "XRamp Global CA Root"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\202\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\036\060\034\006\003\125\004\013\023\025\167\167\167\056\170
\162\141\155\160\163\145\143\165\162\151\164\171\056\143\157\155
\061\044\060\042\006\003\125\004\012\023\033\130\122\141\155\160
\040\123\145\143\165\162\151\164\171\040\123\145\162\166\151\143
\145\163\040\111\156\143\061\055\060\053\006\003\125\004\003\023
\044\130\122\141\155\160\040\107\154\157\142\141\154\040\103\145
\162\164\151\146\151\143\141\164\151\157\156\040\101\165\164\150
\157\162\151\164\171
END
CKA_ID
UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\201\202\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\036\060\034\006\003\125\004\013\023\025\167\167\167\056\170
\162\141\155\160\163\145\143\165\162\151\164\171\056\143\157\155
\061\044\060\042\006\003\125\004\012\023\033\130\122\141\155\160
\040\123\145\143\165\162\151\164\171\040\123\145\162\166\151\143
\145\163\040\111\156\143\061\055\060\053\006\003\125\004\003\023
\044\130\122\141\155\160\040\107\154\157\142\141\154\040\103\145
\162\164\151\146\151\143\141\164\151\157\156\040\101\165\164\150
\157\162\151\164\171
END
CKA_SERIAL_NUMBER

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MULTILINE_OCTAL

\002\020\120\224\154\354\030\352\325\234\115\325\227\357\165\217
\240\255

END

CKA_VALUE MULTILINE_OCTAL

\060\202\004\060\060\202\003\030\240\003\002\001\002\002\020\120
\224\154\354\030\352\325\234\115\325\227\357\165\217\240\255\060
\015\006\011\052\206\110\206\367\015\001\001\005\005\000\060\201
\202\061\013\060\011\006\003\125\004\006\023\002\125\123\061\036
\060\034\006\003\125\004\013\023\025\167\167\167\056\170\162\141
\155\160\163\145\143\165\162\151\164\171\056\143\157\155\061\044
\060\042\006\003\125\004\012\023\033\130\122\141\155\160\040\123
\145\143\165\162\151\164\171\040\123\145\162\166\151\143\145\163
\040\111\156\143\061\055\060\053\006\003\125\004\003\023\044\130
\122\141\155\160\040\107\154\157\142\141\154\040\103\145\162\164
\151\146\151\143\141\164\151\157\156\040\101\165\164\150\157\162
\151\164\171\060\036\027\015\060\064\061\061\060\061\061\067\061
\064\060\064\132\027\015\063\065\060\061\060\061\060\065\063\067
\061\071\132\060\201\202\061\013\060\011\006\003\125\004\006\023
\002\125\123\061\036\060\034\006\003\125\004\013\023\025\167\167
\167\056\170\162\141\155\160\163\145\143\165\162\151\164\171\056
\143\157\155\061\044\060\042\006\003\125\004\012\023\033\130\122
\141\155\160\040\123\145\143\165\162\151\164\171\040\123\145\162
\166\151\143\145\163\040\111\156\143\061\055\060\053\006\003\125
\004\003\023\044\130\122\141\155\160\040\107\154\157\142\141\154
\040\103\145\162\164\151\146\151\143\141\164\151\157\156\040\101
\165\164\150\157\162\151\164\171\060\202\001\042\060\015\006\011
\052\206\110\206\367\015\001\001\001\005\000\003\202\001\017\000
\060\202\001\012\002\202\001\001\000\230\044\036\275\025\264\272
\337\307\214\245\047\266\070\013\151\363\266\116\250\054\056\041
\035\134\104\337\041\135\176\043\164\376\136\176\264\112\267\246
\255\037\256\340\006\026\342\233\133\331\147\164\153\135\200\217
\051\235\206\033\331\234\015\230\155\166\020\050\130\344\145\260
\177\112\230\171\237\340\303\061\176\200\053\265\214\300\100\073
\021\206\320\313\242\206\066\140\244\325\060\202\155\331\156\320
\017\022\004\063\227\137\117\141\132\360\344\371\221\253\347\035
\073\274\350\317\364\153\055\064\174\342\110\141\034\216\363\141
\104\314\157\240\112\251\224\260\115\332\347\251\064\172\162\070
\250\101\314\074\224\021\175\353\310\246\214\267\206\313\312\063
\073\331\075\067\213\373\172\076\206\054\347\163\327\012\127\254
\144\233\031\353\364\017\004\010\212\254\003\027\031\144\364\132
\045\042\215\064\054\262\366\150\035\022\155\323\212\036\024\332
\304\217\246\342\043\205\325\172\015\275\152\340\351\354\354\027
\273\102\033\147\252\045\355\105\203\041\374\301\311\174\325\142
\076\372\362\305\055\323\375\324\145\002\003\001\000\001\243\201
\237\060\201\234\060\023\006\011\053\006\001\004\001\202\067\024
\002\004\006\036\004\000\103\000\101\060\013\006\003\125\035\017
\004\004\003\002\001\206\060\017\006\003\125\035\023\001\001\377

\004\005\060\003\001\001\377\060\035\006\003\125\035\016\004\026
\004\024\306\117\242\075\006\143\204\011\234\316\142\344\004\254
\215\134\265\351\266\033\060\066\006\003\125\035\037\004\057\060
\055\060\053\240\051\240\047\206\045\150\164\164\160\072\057\057
\143\162\154\056\170\162\141\155\160\163\145\143\165\162\151\164
\171\056\143\157\155\057\130\107\103\101\056\143\162\154\060\020
\006\011\053\006\001\004\001\202\067\025\001\004\003\002\001\001
\060\015\006\011\052\206\110\206\367\015\001\001\005\005\000\003
\202\001\001\000\221\025\071\003\001\033\147\373\112\034\371\012
\140\133\241\332\115\227\142\371\044\123\047\327\202\144\116\220
\056\303\111\033\053\232\334\374\250\170\147\065\361\035\360\021
\275\267\110\343\020\366\015\337\077\322\311\266\252\125\244\110
\272\002\333\336\131\056\025\133\073\235\026\175\107\327\067\352
\137\115\166\022\066\273\037\327\241\201\004\106\040\243\054\155
\251\236\001\176\077\051\316\000\223\337\375\311\222\163\211\211
\144\236\347\053\344\034\221\054\322\271\316\175\316\157\061\231
\323\346\276\322\036\220\360\011\024\171\134\043\253\115\322\332
\041\037\115\231\171\235\341\317\047\237\020\233\034\210\015\260
\212\144\101\061\270\016\154\220\044\244\233\134\161\217\272\273
\176\034\033\333\152\200\017\041\274\351\333\246\267\100\364\262
\213\251\261\344\357\232\032\320\075\151\231\356\250\050\243\341
\074\263\360\262\021\234\317\174\100\346\335\347\103\175\242\330
\072\265\251\215\362\064\231\304\324\020\341\006\375\011\204\020
\073\356\304\114\364\354\047\174\102\302\164\174\202\212\011\311
\264\003\045\274

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "XRamp Global CA Root"

Issuer: CN=XRamp Global Certification Authority,O=XRamp Security Services
Inc,OU=www.xrampsecurity.com,C=US

Serial Number:50:94:6c:ec:18:ea:d5:9c:4d:d5:97:ef:75:8f:a0:ad

Subject: CN=XRamp

Global Certification Authority,O=XRamp Security Services Inc,OU=www.xrampsecurity.com,C=US

Not Valid Before: Mon Nov 01 17:14:04 2004

Not Valid After : Mon Jan 01 05:37:19 2035

Fingerprint (SHA-256):

CE:CD:DC:90:50:99:D8:DA:DF:C5:B1:D2:09:B7:37:CB:E2:C1:8C:FB:2C:10:C0:FF:0B:CF:0D:32:86:FC:1A:A2

Fingerprint (SHA1): B8:01:86:D1:EB:9C:86:A5:41:04:CF:30:54:F3:4C:52:B7:E5:58:C6

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "XRamp Global CA Root"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

\270\001\206\321\353\234\206\245\101\004\317\060\124\363\114\122

\267\345\130\306

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

\241\013\104\263\312\020\330\000\156\235\017\330\017\222\012\321

END

CKA_ISSUER MULTILINE_OCTAL

\060\201\202\061\013\060\011\006\003\125\004\006\023\002\125\123

\061\036\060\034\006\003\125\004\013\023\025\167\167\167\056\170

\162\141\155\160\163\145\143\165\162\151\164\171\056\143\157\155

\061\044\060\042\006\003\125\004\012\023\033\130\122\141\155\160

\040\123\145\143\165\162\151\164\171\040\123\145\162\166\151\143

\145\163\040\111\156\143\061\055\060\053\006\003\125\004\003\023

\044\130\122\141\155\160\040\107\154\157\142\141\154\040\103\145

\162\164\151\146\151\143\141\164\151\157\156\040\101\165\164\150

\157\162\151\164\171

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

\002\020\120\224\154\354\030\352\325\234\115\325\227\357\165\217

\240\255

END

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#

Certificate "Go Daddy Class 2 CA"

#

Issuer: OU=Go Daddy Class 2 Certification Authority,O="The Go Daddy Group, Inc.",C=US

Serial Number: 0 (0x0)

Subject: OU=Go Daddy Class 2 Certification Authority,O="The Go Daddy Group, Inc.",C=US

Not Valid Before: Tue Jun 29 17:06:20 2004

Not Valid After : Thu Jun

29 17:06:20 2034

Fingerprint (SHA-256):

C3:84:6B:F2:4B:9E:93:CA:64:27:4C:0E:C6:7C:1E:CC:5E:02:4F:FC:AC:D2:D7:40:19:35:0E:81:FE:54:6A:E4

Fingerprint (SHA1): 27:96:BA:E6:3F:18:01:E2:77:26:1B:A0:D7:77:70:02:8F:20:EE:E4

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "Go Daddy Class 2 CA"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL

\060\143\061\013\060\011\006\003\125\004\006\023\002\125\123\061

\041\060\037\006\003\125\004\012\023\030\124\150\145\040\107\157

\040\104\141\144\144\171\040\107\162\157\165\160\054\040\111\156
\143\056\061\061\060\057\006\003\125\004\013\023\050\107\157\040
\104\141\144\144\171\040\103\154\141\163\163\040\062\040\103\145
\162\164\151\146\151\143\141\164\151\157\156\040\101\165\164\150
\157\162\151\164\171

END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

\060\143\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\041\060\037\006\003\125\004\012\023\030\124\150\145\040\107\157
\040\104\141\144\144\171\040\107\162\157\165\160\054\040\111\156
\143\056\061\061\060\057\006\003\125\004\013\023\050\107\157\040
\104\141\144\144\171\040\103\154\141\163\163\040\062\040\103\145
\162\164\151\146\151\143\141\164\151\157\156\040\101\165\164\150
\157\162\151\164\171

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

\002\001\000

END

CKA_VALUE MULTILINE_OCTAL

\060\202\004\000\060\202\002\350\240\003\002\001\002\002\001\000
\060\015\006\011\052\206\110\206\367\015\001\001\005\005\000\060
\143\061\013\060\011\006\003\125\004\006\023\002\125\123\061\041
\060\037\006\003\125\004\012\023\030\124\150\145\040\107\157\040
\104\141\144\144\171\040\107\162\157\165\160\054\040\111\156\143
\056\061\061\060\057\006\003\125\004\013\023\050\107\157\040\104
\141\144\144\171\040\103\154\141\163\163\040\062\040\103\145\162
\164\151\146\151\143\141\164\151\157\156\040\101\165\164\150\157
\162\151\164\171\060\036\027\015\060\064\060\066\062\071\061\067
\060\066\062\060\132\027\015\063\064\060\066\062\071\061\067\060
\066\062\060\132\060\143\061\013\060\011\006\003\125\004\006\023
\002\125\123\061\041\060\037\006\003\125\004\012\023\030\124\150
\145\040\107\157\040\104\141\144\144\171\040\107\162\157\165\160
\054\040\111\156\143\056\061\061\060\057\006\003\125\004\013\023
\050\107\157\040\104\141\144\144\171\040\103\154\141\163\163\040
\062\040\103\145\162\164\151\146\151\143\141\164\151\157\156\040
\101\165\164\150\157\162\151\164\171\060\202\001\040\060\015\006
\011\052\206\110\206\367\015\001\001\001\005\000\003\202\001\015
\000\060\202\001\010\002\202\001\001\000\336\235\327\352\127\030
\111\241\133\353\327\137\110\206\352\276\335\377\344\357\147\034
\364\145\150\263\127\161\240\136\167\273\355\233\111\351\160\200
\075\126\030\143\010\157\332\362\314\320\077\177\002\124\042\124
\020\330\262\201\324\300\165\075\113\177\307\167\303\076\170\253
\032\003\265\040\153\057\152\053\261\305\210\176\304\273\036\260
\301\330\105\047\157\252\067\130\367\207\046\327\330\055\366\251
\027\267\037\162\066\116\246\027\077\145\230\222\333\052\156\135
\242\376\210\340\013\336\177\345\215\025\341\353\313\072\325\342

\022\242\023\055\330\216\257\137\022\075\240\010\005\010\266\134
\245\145\070\004\105\231\036\243\140\140\164\305\101\245\162\142
\033\142\305\037\157\137\032\102\276\002\121\145\250\256\043\030
\152\374\170\003\251\115\177\200\303\372\253\132\374\241\100\244
\312\031\026\376\262\310\357\136\163\015\356\167\275\232\366\171
\230\274\261\007\147\242\025\015\335\240\130\306\104\173\012\076
\142\050\137\272\101\007\123\130\317\021\176\070\164\305\370\377
\265\151\220\217\204\164\352\227\033\257\002\001\003\243\201\300
\060\201\275\060\035\006\003\125\035\016\004\026\004\024\322\304
\260\322\221\324\114\021\161\263\141\313\075\241\376\335\250\152
\324\343\060\201\215\006\003\125\035\043\004\201\205\060\201\202
\200\024\322\304\260\322\221\324\114\021\161\263\141\313\075\241
\376\335\250\152\324\343\241\147\244\145\060\143\061\013\060\011
\006\003\125\004\006\023\002\125\123\061\041\060\037\006\003\125
\004\012\023\030\124\150\145\040\107\157\040\104\141\144\144\171
\040\107\162\157\165\160\054\040\111\156\143\056\061\061\060\057
\006\003\125\004\013\023\050\107\157\040\104\141\144\144\171\040
\103\154\141\163\163\040\062\040\103\145\162\164\151\146\151\143
\141\164\151\157\156\040\101\165\164\150\157\162\151\164\171\202
\001\000\060\014\006\003\125\035\023\004\005\060\003\001\001\377
\060\015\006\011\052\206\110\206\367\015\001\001\005\005\000\003
\202\001\001\000\062\113\363\262\312\076\221\374\022\306\241\007
\214\216\167\240\063\006\024\134\220\036\030\367\010\246\075\012
\031\371\207\200\021\156\151\344\226\027\060\377\064\221\143\162
\070\356\314\034\001\243\035\224\050\244\061\366\172\304\124\327
\366\345\061\130\003\242\314\316\142\333\224\105\163\265\277\105
\311\044\265\325\202\002\255\043\171\151\215\270\266\115\316\317
\114\312\063\043\350\034\210\252\235\213\101\156\026\311\040\345
\211\236\315\073\332\160\367\176\231\046\040\024\124\045\253\156
\163\205\346\233\041\235\012\154\202\016\250\370\302\014\372\020
\036\154\226\357\207\015\304\017\141\213\255\356\203\053\225\370
\216\222\204\162\071\353\040\352\203\355\203\315\227\156\010\274
\353\116\046\266\163\053\344\323\366\114\376\046\161\342\141\021
\164\112\377\127\032\207\017\165\110\056\317\121\151\027\240\002
\022\141\225\325\321\100\262\020\114\356\304\254\020\103\246\245
\236\012\325\225\142\232\015\317\210\202\305\062\014\344\053\237
\105\346\015\237\050\234\261\271\052\132\127\255\067\017\257\035
\177\333\275\237

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "Go Daddy Class 2 CA"

Issuer: OU=Go Daddy Class 2 Certification Authority,O="The Go Daddy Group, Inc.",C=US

Serial Number: 0 (0x0)

Subject: OU=Go Daddy Class 2 Certification Authority,O="The Go Daddy Group, Inc.",C=US

```
# Not Valid Before: Tue
Jun 29 17:06:20 2004
# Not Valid After : Thu Jun 29 17:06:20 2034
# Fingerprint (SHA-256):
C3:84:6B:F2:4B:9E:93:CA:64:27:4C:0E:C6:7C:1E:CC:5E:02:4F:FC:AC:D2:D7:40:19:35:0E:81:FE:54:6A:E4
# Fingerprint (SHA1): 27:96:BA:E6:3F:18:01:E2:77:26:1B:A0:D7:77:70:02:8F:20:EE:E4
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Go Daddy Class 2 CA"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\047\226\272\346\077\030\001\342\167\046\033\240\327\167\160\002
\217\040\356\344
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\221\336\006\045\253\332\375\062\027\014\273\045\027\052\204\147
END
CKA_ISSUER MULTILINE_OCTAL
\060\143\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\041\060\037\006\003\125\004\012\023\030\124\150\145\040\107\157
\040\104\141\144\144\171\040\107\162\157\165\160\054\040\111\156
\143\056\061\061\060\057\006\003\125\004\013\023\050\107\157\040
\104\141\144\144\171\040\103\154\141\163\163\040\062\040\103\145
\162\164\151\146\151\143\141\164\151\157\156\040\101\165\164\150
\157\162\151\164\171
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\001\000
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "Starfield Class 2 CA"
#
# Issuer: OU=Starfield Class 2 Certification Authority,O="Starfield Technologies, Inc.",C=US
# Serial Number: 0 (0x0)
# Subject: OU=Starfield Class 2 Certification Authority,O="Starfield Technologies, Inc.",C=US
# Not Valid Before: Tue Jun 29 17:39:16 2004
# Not Valid After : Thu Jun 29 17:39:16 2034
# Fingerprint (SHA-256):
14:65:FA:20:53:97:B8:76:FA:A6:F0:A9:95:8E:55:90:E4:0F:CC:7F:AA:4F:B7:C2:C8:67:75:21:FB:5F:B6:58
# Fingerprint (SHA1): AD:7E:1C:28:B0:64:EF:8F:60:03:40:20:14:C3:D0:E3:37:0E:B5:8A
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
```

```
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE
CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Starfield Class 2 CA"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\150\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\045\060\043\006\003\125\004\012\023\034\123\164\141\162\146\151
\145\154\144\040\124\145\143\150\156\157\154\157\147\151\145\163
\054\040\111\156\143\056\061\062\060\060\006\003\125\004\013\023
\051\123\164\141\162\146\151\145\154\144\040\103\154\141\163\163
\040\062\040\103\145\162\164\151\146\151\143\141\164\151\157\156
\040\101\165\164\150\157\162\151\164\171
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\150\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\045\060\043\006\003\125\004\012\023\034\123\164\141\162\146\151
\145\154\144\040\124\145\143\150\156\157\154\157\147\151\145\163
\054\040\111\156\143\056\061\062\060\060\006\003\125\004\013\023
\051\123\164\141\162\146\151\145\154\144\040\103\154\141\163\163
\040\062\040\103\145\162\164\151\146\151\143\141\164\151\157\156
\040\101\165\164\150\157\162\151\164\171
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\001\000
END
CKA_VALUE MULTILINE_OCTAL
\060\202\004\017\060\202\002\367\240\003\002\001\002\002\001\000
\060\015\006\011\052\206\110\206\367\015\001\001\005\005\000\060
\150\061\013\060\011\006\003\125\004\006\023\002\125\123\061\045
\060\043\006\003\125\004\012\023\034\123\164\141\162\146\151\145
\154\144\040\124\145\143\150\156\157\154\157\147\151\145\163\054
\040\111\156\143\056\061\062\060\060\006\003\125\004\013\023\051
\123\164\141\162\146\151\145\154\144\040\103\154\141\163\163\040
\062\040\103\145\162\164\151\146\151\143\141\164\151\157\156\040
\101\165\164\150\157\162\151\164\171\060\036\027\015\060\064\060
\066\062\071\061\067\063\071\061\066\132\027\015\063\064\060\066
\062\071\061\067\063\071\061\066\132\060\150\061\013\060\011\006
\003\125\004\006\023\002\125\123\061\045\060\043\006\003\125\004
\012\023\034\123\164\141\162\146\151\145\154\144\040\124\145\143
\150\156\157\154\157\147\151\145\163\054\040\111\156\143\056\061
\062\060\060\006\003\125\004\013\023\051\123\164\141\162\146\151
\145\154\144\040\103\154\141\163\163\040\062\040\103\145\162\164
\151\146\151\143\141\164\151\157\156\040\101\165\164\150\157\162
\151\164\171\060\202\001\040\060\015\006\011\052\206\110\206\367
```

\015\001\001\001\005\000\003\202\001\015\000\060\202\001\010\002
\202\001\001\000\267\062\310\376\351\161\246\004\205\255\014\021
\144\337\316\115\357\310\003\030\207\077\241\253\373\074\246\237
\360\303\241\332\324\330\156\053\123\220\373\044\244\076\204\360
\236\350\137\354\345\047\104\365\050\246\077\173\336\340\052\360
\310\257\123\057\236\312\005\001\223\036\217\146\034\071\247\115
\372\132\266\163\004\045\146\353\167\177\347\131\306\112\231\045
\024\124\353\046\307\363\177\031\325\060\160\217\257\260\106\052
\377\255\353\051\355\327\237\252\004\207\243\324\371\211\245\064
\137\333\103\221\202\066\331\146\074\261\270\271\202\375\234\072
\076\020\310\073\357\006\145\146\172\233\031\030\075\377\161\121
\074\060\056\137\276\075\167\163\262\135\006\154\303\043\126\232
\053\205\046\222\034\247\002\263\344\077\015\257\010\171\202\270
\066\075\352\234\323\065\263\274\151\312\365\314\235\350\375\144
\215\027\200\063\156\136\112\135\231\311\036\207\264\235\032\300
\325\156\023\065\043\136\337\233\137\075\357\326\367\166\302\352
\076\273\170\015\034\102\147\153\004\330\370\326\332\157\213\362
\104\240\001\253\002\001\003\243\201\305\060\201\302\060\035\006
\003\125\035\016\004\026\004\024\277\137\267\321\316\335\037\206
\364\133\125\254\334\327\020\302\016\251\210\347\060\201\222\006
\003\125\035\043\004\201\212\060\201\207\200\024\277\137\267\321
\316\335\037\206\364\133\125\254\334\327\020\302\016\251\210\347
\241\154\244\152\060\150\061\013\060\011\006\003\125\004\006\023
\002\125\123\061\045\060\043\006\003\125\004\012\023\034\123\164
\141\162\146\151\145\154\144\040\124\145\143\150\156\157\154\157
\147\151\145\163\054\040\111\156\143\056\061\062\060\060\006\003
\125\004\013\023\051\123\164\141\162\146\151\145\154\144\040\103
\154\141\163\163\040\062\040\103\145\162\164\151\146\151\143\141
\164\151\157\156\040\101\165\164\150\157\162\151\164\171\202\001
\000\060\014\006\003\125\035\023\004\005\060\003\001\001\377\060
\015\006\011\052\206\110\206\367\015\001\001\005\005\000\003\202
\001\001\000\005\235\077\210\235\321\311\032\125\241\254\151\363
\363\131\332\233\001\207\032\117\127\251\241\171\011\052\333\367
\057\262\036\314\307\136\152\330\203\207\241\227\357\111\065\076
\167\006\101\130\142\277\216\130\270\012\147\077\354\263\335\041
\146\037\311\124\372\162\314\075\114\100\330\201\257\167\236\203
\172\273\242\307\365\064\027\216\331\021\100\364\374\054\052\115
\025\177\247\142\135\056\045\323\000\013\040\032\035\150\371\027
\270\364\275\213\355\050\131\335\115\026\213\027\203\310\262\145
\307\055\172\245\252\274\123\206\155\335\127\244\312\370\040\101
\013\150\360\364\373\164\276\126\135\172\171\365\371\035\205\343
\055\225\276\365\161\220\103\314\215\037\232\000\012\207\051\351
\125\042\130\000\043\352\343\022\103\051\133\107\010\335\214\101
\152\145\006\250\345\041\252\101\264\225\041\225\271\175\321\064
\253\023\326\255\274\334\342\075\071\315\275\076\165\160\241\030
\131\003\311\042\264\217\234\325\136\052\327\245\266\324\012\155
\370\267\100\021\106\232\037\171\016\142\277\017\227\354\340\057
\037\027\224

```

END
CKA_NSS_MOZILLA_CA_POLICY
CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

# Trust for "Starfield Class 2 CA"
# Issuer: OU=Starfield Class 2 Certification Authority,O="Starfield Technologies, Inc.",C=US
# Serial Number: 0 (0x0)
# Subject: OU=Starfield Class 2 Certification Authority,O="Starfield Technologies, Inc.",C=US
# Not Valid Before: Tue Jun 29 17:39:16 2004
# Not Valid After : Thu Jun 29 17:39:16 2034
# Fingerprint (SHA-256):
14:65:FA:20:53:97:B8:76:FA:A6:F0:A9:95:8E:55:90:E4:0F:CC:7F:AA:4F:B7:C2:C8:67:75:21:FB:5F:B6:58
#
Fingerprint (SHA1): AD:7E:1C:28:B0:64:EF:8F:60:03:40:20:14:C3:D0:E3:37:0E:B5:8A
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Starfield Class 2 CA"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\255\176\034\050\260\144\357\217\140\003\100\040\024\303\320\343
\067\016\265\212
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\062\112\113\273\310\143\151\233\276\164\232\306\335\035\106\044
END
CKA_ISSUER MULTILINE_OCTAL
\060\150\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\045\060\043\006\003\125\004\012\023\034\123\164\141\162\146\151
\145\154\144\040\124\145\143\150\156\157\154\157\147\151\145\163
\054\040\111\156\143\056\061\062\060\060\006\003\125\004\013\023
\051\123\164\141\162\146\151\145\154\144\040\103\154\141\163\163
\040\062\040\103\145\162\164\151\146\151\143\141\164\151\157\156
\040\101\165\164\150\157\162\151\164\171
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\001\000
END
CKA_TRUST_SERVER_AUTH
CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "DigiCert Assured ID Root CA"

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#
# Issuer: CN=DigiCert Assured ID Root CA,OU=www.digicert.com,O=DigiCert Inc,C=US
# Serial Number:0c:e7:e0:e5:17:d8:46:fe:8f:e5:60:fc:1b:f0:30:39
# Subject: CN=DigiCert Assured ID Root CA,OU=www.digicert.com,O=DigiCert Inc,C=US
# Not Valid Before: Fri Nov 10 00:00:00 2006
# Not Valid After : Mon Nov 10 00:00:00 2031
# Fingerprint (SHA-256):
3E:90:99:B5:01:5E:8F:48:6C:00:BC:EA:9D:11:1E:E7:21:FA:BA:35:5A:89:BC:F1:DF:69:56:1E:3D:C6:32:5C
# Fingerprint (SHA1): 05:63:B8:63:0D:62:D7:5A:BB:C8:AB:1E:4B:DF:B5:A8:99:B2:4D:43
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "DigiCert Assured ID Root CA"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT
MULTILINE_OCTAL
\060\145\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\025\060\023\006\003\125\004\012\023\014\104\151\147\151\103\145
\162\164\040\111\156\143\061\031\060\027\006\003\125\004\013\023
\020\167\167\167\056\144\151\147\151\143\145\162\164\056\143\157
\155\061\044\060\042\006\003\125\004\003\023\033\104\151\147\151
\103\145\162\164\040\101\163\163\165\162\145\144\040\111\104\040
\122\157\157\164\040\103\101
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\145\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\025\060\023\006\003\125\004\012\023\014\104\151\147\151\103\145
\162\164\040\111\156\143\061\031\060\027\006\003\125\004\013\023
\020\167\167\167\056\144\151\147\151\143\145\162\164\056\143\157
\155\061\044\060\042\006\003\125\004\003\023\033\104\151\147\151
\103\145\162\164\040\101\163\163\165\162\145\144\040\111\104\040
\122\157\157\164\040\103\101
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\014\347\340\345\027\330\106\376\217\345\140\374\033\360
\060\071
END
CKA_VALUE
MULTILINE_OCTAL
\060\202\003\267\060\202\002\237\240\003\002\001\002\002\020\014
\347\340\345\027\330\106\376\217\345\140\374\033\360\060\071\060
\015\006\011\052\206\110\206\367\015\001\001\005\005\000\060\145
\061\013\060\011\006\003\125\004\006\023\002\125\123\061\025\060
\023\006\003\125\004\012\023\014\104\151\147\151\103\145\162\164
\040\111\156\143\061\031\060\027\006\003\125\004\013\023\020\167
\167\167\056\144\151\147\151\143\145\162\164\056\143\157\155\061

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\044\060\042\006\003\125\004\003\023\033\104\151\147\151\103\145
\162\164\040\101\163\163\165\162\145\144\040\111\104\040\122\157
\157\164\040\103\101\060\036\027\015\060\066\061\061\061\060\060
\060\060\060\060\060\132\027\015\063\061\061\061\061\060\060\060
\060\060\060\060\132\060\145\061\013\060\011\006\003\125\004\006
\023\002\125\123\061\025\060\023\006\003\125\004\012\023\014\104
\151\147\151\103\145\162\164\040\111\156\143\061\031\060\027\006
\003\125\004\013\023\020\167\167\167\056\144\151\147\151\143\145
\162\164\056\143\157\155\061\044\060\042\006\003\125\004\003\023
\033\104\151\147\151\103\145\162\164\040\101\163\163\165\162\145
\144\040\111\104\040\122\157\157\164\040\103\101\060\202\001\042
\060\015\006\011\052\206\110\206\367\015\001\001\001\005\000\003
\202\001\017\000\060\202\001\012\002\202\001\001\000\255\016\025
\316\344\103\200\134\261\207\363\267\140\371\161\022\245\256\334
\046\224\210\252\364\316\365\040\071\050\130\140\014\370\200\332
\251\025\225\062\141\074\265\261\050\204\212\212\334\237\012\014
\203\027\172\217\220\254\212\347\171\123\134\061\204\052\366\017
\230\062\066\166\314\336\335\074\250\242\357\152\373\041\362\122
\141\337\237\040\327\037\342\261\331\376\030\144\322\022\133\137
\371\130\030\065\274\107\315\241\066\371\153\177\324\260\070\076
\301\033\303\214\063\331\330\057\030\376\050\017\263\247\203\326
\303\156\104\300\141\065\226\026\376\131\234\213\166\155\327\361
\242\113\015\053\377\013\162\332\236\140\320\216\220\065\306\170
\125\207\040\241\317\345\155\012\310\111\174\061\230\063\154\042
\351\207\320\062\132\242\272\023\202\021\355\071\027\235\231\072
\162\241\346\372\244\331\325\027\061\165\256\205\175\042\256\077
\001\106\206\366\050\171\310\261\332\344\127\027\304\176\034\016
\260\264\222\246\126\263\275\262\227\355\252\247\360\267\305\250
\077\225\026\320\377\241\226\353\010\137\030\167\117\002\003\001
\000\001\243\143\060\141\060\016\006\003\125\035\017\001\001\377
\004\004\003\002\001\206\060\017\006\003\125\035\023\001\001\377
\004\005\060\003\001\001\377\060\035\006\003\125\035\016\004\026
\004\024\105\353\242\257\364\222\313\202\061\055\121\213\247\247
\041\235\363\155\310\017\060\037\006\003\125\035\043\004\030\060
\026\200\024\105\353\242\257\364\222\313\202\061\055\121\213\247
\247\041\235\363\155\310\017\060\015\006\011\052\206\110\206\367
\015\001\001\005\005\000\003\202\001\001\000\242\016\274\337\342
\355\360\343\162\163\172\144\224\277\367\162\146\330\062\344\102
\165\142\256\207\353\362\325\331\336\126\263\237\314\316\024\050
\271\015\227\140\134\022\114\130\344\323\075\203\111\105\130\227
\065\151\032\250\107\352\126\306\171\253\022\330\147\201\204\337
\177\011\074\224\346\270\046\054\040\275\075\263\050\211\367\137
\377\042\342\227\204\037\351\145\357\207\340\337\301\147\111\263
\135\353\262\011\052\353\046\355\170\276\175\077\053\363\267\046
\065\155\137\211\001\266\111\133\237\001\005\233\253\075\045\301
\314\266\177\302\361\157\206\306\372\144\150\353\201\055\224\353
\102\267\372\214\036\335\142\361\276\120\147\267\154\275\363\361
\037\153\014\066\007\026\177\067\174\251\133\155\172\361\022\106

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\140\203\327\047\004\276\113\316\227\276\303\147\052\150\021\337
\200\347\014\063\146\277\023\015\024\156\363\177\037\143\020\036
\372\215\033\045\155\154\217\245\267\141\001\261\322\243\046\241
\020\161\235\255\342\303\371\303\231\121\267\053\007\010\316\056
\346\120\262\247\372\012\105\057\242\360\362
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRUST_AFTER

CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

Trust for "DigiCert Assured ID Root CA"

Issuer: CN=DigiCert Assured ID Root CA,OU=www.digicert.com,O=DigiCert Inc,C=US

Serial Number:0c:e7:e0:e5:17:d8:46:fe:8f:e5:60:fc:1b:f0:30:39

Subject: CN=DigiCert Assured ID Root CA,OU=www.digicert.com,O=DigiCert Inc,C=US

Not Valid Before: Fri Nov 10 00:00:00 2006

Not Valid After : Mon Nov 10 00:00:00 2031

Fingerprint (SHA-256):

3E:90:99:B5:01:5E:8F:48:6C:00:BC:EA:9D:11:1E:E7:21:FA:BA:35:5A:89:BC:F1:DF:69:56:1E:3D:C6:32:5C

Fingerprint (SHA1): 05:63:B8:63:0D:62:D7:5A:BB:C8:AB:1E:4B:DF:B5:A8:99:B2:4D:43

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "DigiCert Assured ID Root CA"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\005\143\270\143\015\142\327\132\273\310\253\036\113\337\265\250
\231\262\115\103
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\207\316\013\173\052\016\111\000\341\130\161\233\067\250\223\162
```

END

CKA_ISSUER

MULTILINE_OCTAL

```
\060\145\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\025\060\023\006\003\125\004\012\023\014\104\151\147\151\103\145
\162\164\040\111\156\143\061\031\060\027\006\003\125\004\013\023
\020\167\167\167\056\144\151\147\151\143\145\162\164\056\143\157
\155\061\044\060\042\006\003\125\004\003\023\033\104\151\147\151
\103\145\162\164\040\101\163\163\165\162\145\144\040\111\104\040
\122\157\157\164\040\103\101
```

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

```
\002\020\014\347\340\345\027\330\106\376\217\345\140\374\033\360
\060\071
```

END

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#

Certificate "DigiCert Global Root CA"

#

Issuer: CN=DigiCert Global Root CA,OU=www.digicert.com,O=DigiCert Inc,C=US

Serial Number:08:3b:e0:56:90:42:46:b1:a1:75:6a:c9:59:91:c7:4a

#

Subject: CN=DigiCert Global Root CA,OU=www.digicert.com,O=DigiCert Inc,C=US

Not Valid Before: Fri Nov 10 00:00:00 2006

Not Valid After : Mon Nov 10 00:00:00 2031

Fingerprint (SHA-256):

43:48:A0:E9:44:4C:78:CB:26:5E:05:8D:5E:89:44:B4:D8:4F:96:62:BD:26:DB:25:7F:89:34:A4:43:C7:01:61

Fingerprint (SHA1): A8:98:5D:3A:65:E5:E5:C4:B2:D7:D6:6D:40:C6:DD:2F:B1:9C:54:36

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "DigiCert Global Root CA"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL

\060\141\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\025\060\023\006\003\125\004\012\023\014\104\151\147\151\103\145
\162\164\040\111\156\143\061\031\060\027\006\003\125\004\013\023
\020\167\167\167\056\144\151\147\151\143\145\162\164\056\143\157
\155\061\040\060\036\006\003\125\004\003\023\027\104\151\147\151
\103\145\162\164\040\107\154\157\142\141\154\040\122\157\157\164
\040\103\101

END

CKA_ID

UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

\060\141\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\025\060\023\006\003\125\004\012\023\014\104\151\147\151\103\145
\162\164\040\111\156\143\061\031\060\027\006\003\125\004\013\023
\020\167\167\167\056\144\151\147\151\143\145\162\164\056\143\157
\155\061\040\060\036\006\003\125\004\003\023\027\104\151\147\151
\103\145\162\164\040\107\154\157\142\141\154\040\122\157\157\164
\040\103\101

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\002\020\010\073\340\126\220\102\106\261\241\165\152\311\131\221
\307\112

END

CKA_VALUE MULTILINE_OCTAL

\060\202\003\257\060\202\002\227\240\003\002\001\002\002\020\010

\073\340\126\220\102\106\261\241\165\152\311\131\221\307\112\060
\015\006\011\052\206\110\206\367\015\001\001\005\005\000\060\141
\061\013\060\011\006\003\125\004\006\023\002\125\123\061\025\060
\023\006\003\125\004\012\023\014\104\151\147\151\103\145\162\164
\040\111\156\143\061\031\060\027\006\003\125\004\013\023\020\167
\167\167\056\144\151\147\151\143\145\162\164\056\143\157\155\061
\040\060\036\006\003\125\004\003\023\027\104\151\147\151\103\145
\162\164\040\107\154\157\142\141\154\040\122\157\157\164\040\103
\101\060\036\027\015\060\066\061\061\061\060\060\060\060\060\060
\060\132\027\015\063\061\061\061\061\060\060\060\060\060\060
\132\060\141\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\025\060\023\006\003\125\004\012\023\014\104\151\147\151\103
\145\162\164\040\111\156\143\061\031\060\027\006\003\125\004\013
\023\020\167\167\167\056\144\151\147\151\143\145\162\164\056\143
\157\155\061\040\060\036\006\003\125\004\003\023\027\104\151\147
\151\103\145\162\164\040\107\154\157\142\141\154\040\122\157\157
\164\040\103\101\060\202\001\042\060\015\006\011\052\206\110\206
\367\015\001\001\001\005\000\003\202\001\017\000\060\202\001\012
\002\202\001\001\000\342\073\341\021\162\336\250\244\323\243\127
\252\120\242\217\013\167\220\311\242\245\356\022\316\226\133\001
\011\040\314\001\223\247\116\060\267\123\367\103\304\151\000\127
\235\342\215\042\335\207\006\100\000\201\011\316\316\033\203\277
\337\315\073\161\106\342\326\146\307\005\263\166\047\026\217\173
\236\036\225\175\356\267\110\243\010\332\326\257\172\014\071\006
\145\177\112\135\037\274\027\370\253\276\356\050\327\164\177\172
\170\231\131\205\150\156\134\043\062\113\277\116\300\350\132\155
\343\160\277\167\020\277\374\001\366\205\331\250\104\020\130\062
\251\165\030\325\321\242\276\107\342\047\152\364\232\063\370\111
\010\140\213\324\137\264\072\204\277\241\252\112\114\175\076\317
\117\137\154\166\136\240\113\067\221\236\334\042\346\155\316\024
\032\216\152\313\376\315\263\024\144\027\307\133\051\236\062\277
\362\356\372\323\013\102\324\253\267\101\062\332\014\324\357\370
\201\325\273\215\130\077\265\033\350\111\050\242\160\332\061\004
\335\367\262\026\362\114\012\116\007\250\355\112\075\136\265\177
\243\220\303\257\047\002\003\001\000\001\243\143\060\141\060\016
\006\003\125\035\017\001\001\377\004\004\003\002\001\206\060\017
\006\003\125\035\023\001\001\377\004\005\060\003\001\001\377\060
\035\006\003\125\035\016\004\026\004\024\003\336\120\065\126\321
\114\273\146\360\243\342\033\033\303\227\262\075\321\125\060\037
\006\003\125\035\043\004\030\060\026\200\024\003\336\120\065\126
\321\114\273\146\360\243\342\033\033\303\227\262\075\321\125\060
\015\006\011\052\206\110\206\367\015\001\001\005\005\000\003\202
\001\001\000\313\234\067\252\110\023\022\012\372\335\104\234\117
\122\260\364\337\256\004\365\171\171\010\243\044\030\374\113\053
\204\300\055\271\325\307\376\364\301\037\130\313\270\155\234\172
\164\347\230\051\253\021\265\343\160\240\241\315\114\210\231\223
\214\221\160\342\253\017\034\276\223\251\377\143\325\344\007\140
\323\243\277\235\133\011\361\325\216\343\123\364\216\143\372\077

```
\247\333\264\146\337\142\146\326\321\156\101\215\362\055\265\352
\167\112\237\235\130\342\053\131\300\100\043\355\055\050\202\105
\076\171\124\222\046\230\340\200\110\250\067\357\360\326\171\140
\026\336\254\350\016\315\156\254\104\027\070\057\111\332\341\105
\076\052\271\066\123\317\072\120\006\367\056\350\304\127\111\154
\141\041\030\325\004\255\170\074\054\072\200\153\247\353\257\025
\024\351\330\211\301\271\070\154\342\221\154\212\377\144\271\167
\045\127\060\300\033\044\243\341\334\351\337\107\174\265\264\044
\010\005\060\354\055\275\013\277\105\277\120\271\251\363\353\230
\001\022\255\310\210\306\230\064\137\215\012\074\306\351\325\225
\225\155\336
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "DigiCert Global Root CA"

Issuer: CN=DigiCert Global Root CA,OU=www.digicert.com,O=DigiCert Inc,C=US

Serial Number:08:3b:e0:56:90:42:46:b1:a1:75:6a:c9:59:91:c7:4a

Subject: CN=DigiCert Global Root CA,OU=www.digicert.com,O=DigiCert Inc,C=US

Not Valid Before: Fri Nov 10 00:00:00 2006

Not Valid After : Mon Nov 10 00:00:00 2031

Fingerprint (SHA-256):

43:48:A0:E9:44:4C:78:CB:26:5E:05:8D:5E:89:44:B4:D8:4F:96:62:BD:26:DB:25:7F:89:34:A4:43:C7:01:61

#

Fingerprint (SHA1): A8:98:5D:3A:65:E5:E5:C4:B2:D7:D6:6D:40:C6:DD:2F:B1:9C:54:36

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "DigiCert Global Root CA"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\250\230\135\072\145\345\345\304\262\327\326\155\100\306\335\057
\261\234\124\066
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\171\344\251\204\015\175\072\226\327\300\117\342\103\114\211\056
```

END

CKA_ISSUER MULTILINE_OCTAL

```
\060\141\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\025\060\023\006\003\125\004\012\023\014\104\151\147\151\103\145
\162\164\040\111\156\143\061\031\060\027\006\003\125\004\013\023
\020\167\167\167\056\144\151\147\151\143\145\162\164\056\143\157
\155\061\040\060\036\006\003\125\004\003\023\027\104\151\147\151
\103\145\162\164\040\107\154\157\142\141\154\040\122\157\157\164
\040\103\101
```

END

```

CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\020\010\073\340\126\220\102\106\261\241\165\152\311\131\221
\307\112
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "DigiCert High Assurance EV Root CA"
#
# Issuer: CN=DigiCert High Assurance EV Root CA,OU=www.digicert.com,O=DigiCert Inc,C=US
# Serial Number:02:ac:5c:26:6a:0b:40:9b:8f:0b:79:f2:ae:46:25:77
# Subject: CN=DigiCert High Assurance EV Root CA,OU=www.digicert.com,O=DigiCert Inc,C=US
# Not Valid Before: Fri Nov 10 00:00:00 2006
# Not Valid After : Mon Nov 10 00:00:00 2031
# Fingerprint (SHA-256):
74:31:E5:F4:C3:C1:CE:46:90:77:4F:0B:61:E0:54:40:88:3B:A9:A0:1E:D0:0B:A6:AB:D7:80:6E:D3:B1:18:CF
# Fingerprint (SHA1): 5F:B7:EE:06:33:E2:59:DB:AD:0C:4C:9A:E6:D3:8F:1A:61:C7:DC:25
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE
CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "DigiCert High Assurance EV Root CA"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\154\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\025\060\023\006\003\125\004\012\023\014\104\151\147\151\103\145
\162\164\040\111\156\143\061\031\060\027\006\003\125\004\013\023
\020\167\167\167\056\144\151\147\151\143\145\162\164\056\143\157
\155\061\053\060\051\006\003\125\004\003\023\042\104\151\147\151
\103\145\162\164\040\110\151\147\150\040\101\163\163\165\162\141
\156\143\145\040\105\126\040\122\157\157\164\040\103\101
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\154\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\025\060\023\006\003\125\004\012\023\014\104\151\147\151\103\145
\162\164\040\111\156\143\061\031\060\027\006\003\125\004\013\023
\020\167\167\167\056\144\151\147\151\143\145\162\164\056\143\157
\155\061\053\060\051\006\003\125\004\003\023\042\104\151\147\151
\103\145\162\164\040\110\151\147\150\040\101\163\163\165\162\141
\156\143\145\040\105\126\040\122\157\157\164\040\103\101
END
CKA_SERIAL_NUMBER

```

MULTILINE_OCTAL

\002\020\002\254\134\046\152\013\100\233\217\013\171\362\256\106
\045\167

END

CKA_VALUE MULTILINE_OCTAL

\060\202\003\305\060\202\002\255\240\003\002\001\002\002\020\002
\254\134\046\152\013\100\233\217\013\171\362\256\106\045\167\060
\015\006\011\052\206\110\206\367\015\001\001\005\005\000\060\154
\061\013\060\011\006\003\125\004\006\023\002\125\123\061\025\060
\023\006\003\125\004\012\023\014\104\151\147\151\103\145\162\164
\040\111\156\143\061\031\060\027\006\003\125\004\013\023\020\167
\167\167\056\144\151\147\151\143\145\162\164\056\143\157\155\061
\053\060\051\006\003\125\004\003\023\042\104\151\147\151\103\145
\162\164\040\110\151\147\150\040\101\163\163\165\162\141\156\143
\145\040\105\126\040\122\157\157\164\040\103\101\060\036\027\015
\060\066\061\061\061\060\060\060\060\060\060\060\060\132\027\015\063
\061\061\061\061\060\060\060\060\060\060\060\132\060\154\061\013
\060\011\006\003\125\004\006\023\002\125\123\061\025\060\023\006
\003\125\004\012\023\014\104\151\147\151\103\145\162\164\040\111
\156\143\061\031\060\027\006\003\125\004\013\023\020\167\167\167
\056\144\151\147\151\143\145\162\164\056\143\157\155\061\053\060
\051\006\003\125\004\003\023\042\104\151\147\151\103\145\162\164
\040\110\151\147\150\040\101\163\163\165\162\141\156\143\145\040
\105\126\040\122\157\157\164\040\103\101\060\202\001\042\060\015
\006\011\052\206\110\206\367\015\001\001\001\005\000\003\202\001
\017\000\060\202\001\012\002\202\001\001\000\306\314\345\163\346
\373\324\273\345\055\055\062\246\337\345\201\077\311\315\045\111
\266\161\052\303\325\224\064\147\242\012\034\260\137\151\246\100
\261\304\267\262\217\320\230\244\251\101\131\072\323\334\224\326
\074\333\164\070\244\112\314\115\045\202\367\112\245\123\022\070
\356\363\111\155\161\221\176\143\266\253\246\137\303\244\204\370
\117\142\121\276\370\305\354\333\070\222\343\006\345\010\221\014
\304\050\101\125\373\313\132\211\025\176\161\350\065\277\115\162
\011\075\276\072\070\120\133\167\061\033\215\263\307\044\105\232
\247\254\155\000\024\132\004\267\272\023\353\121\012\230\101\101
\042\116\145\141\207\201\101\120\246\171\134\211\336\031\112\127
\325\056\346\135\034\123\054\176\230\315\032\006\026\244\150\163
\320\064\004\023\134\241\161\323\132\174\125\333\136\144\341\067
\207\060\126\004\345\021\264\051\200\022\361\171\071\210\242\002
\021\174\047\146\267\210\267\170\362\312\012\250\070\253\012\144
\302\277\146\135\225\204\301\241\045\036\207\135\032\120\013\040
\022\314\101\273\156\013\121\070\270\113\313\002\003\001\000\001
\243\143\060\141\060\016\006\003\125\035\017\001\001\377\004\004
\003\002\001\206\060\017\006\003\125\035\023\001\001\377\004\005
\060\003\001\001\377\060\035\006\003\125\035\016\004\026\004\024
\261\076\303\151\003\370\277\107\001\324\230\046\032\010\002\357
\143\144\053\303\060\037\006\003\125\035\043\004\030\060\026\200
\024\261\076\303\151\003\370\277\107\001\324\230\046\032\010\002


```
\357\143\144\053\303\060\015\006\011\052\206\110\206\367\015\001
\001\005\005\000\003\202\001\001\000\034\032\006\227\334\327\234
\237\074\210\146\006\010\127\041\333\041\107\370\052\147\252\277
\030\062\166\100\020\127\301\212\363\172\331\021\145\216\065\372
\236\374\105\265\236\331\114\061\113\270\221\350\103\054\216\263
\170\316\333\343\123\171\161\326\345\041\224\001\332\125\207\232
\044\144\366\212\146\314\336\234\067\315\250\064\261\151\233\043
\310\236\170\042\053\160\103\343\125\107\061\141\031\357\130\305
\205\057\116\060\366\240\061\026\043\310\347\342\145\026\063\313
\277\032\033\240\075\370\312\136\213\061\213\140\010\211\055\014
\006\134\122\267\304\371\012\230\321\025\137\237\022\276\174\066
\143\070\275\104\244\177\344\046\053\012\304\227\151\015\351\214
\342\300\020\127\270\310\166\022\221\125\362\110\151\330\274\052
\002\133\017\104\324\040\061\333\364\272\160\046\135\220\140\236
\274\113\027\011\057\264\313\036\103\150\311\007\047\301\322\134
\367\352\041\271\150\022\234\074\234\277\236\374\200\134\233\143
\315\354\107\252\045\047\147\240\067\363\000\202\175\124\327\251
\370\351\056\023\243\167\350\037\112
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "DigiCert High Assurance EV Root CA"

Issuer: CN=DigiCert High Assurance EV Root CA,OU=www.digicert.com,O=DigiCert Inc,C=US

Serial Number:02:ac:5c:26:6a:0b:40:9b:8f:0b:79:f2:ae:46:25:77

Subject: CN=DigiCert High Assurance EV Root CA,OU=www.digicert.com,O=DigiCert Inc,C=US

Not Valid Before: Fri Nov 10 00:00:00 2006

Not Valid After : Mon Nov 10 00:00:00 2031

Fingerprint (SHA-256):

74:31:E5:F4:C3:C1:CE:46:90:77:4F:0B:61:E0:54:40:88:3B:A9:A0:1E:D0:0B:A6:AB:D7:80:6E:D3:B1:18:CF

Fingerprint (SHA1): 5F:B7:EE:06:33:E2:59:DB:AD:0C:4C:9A:E6:D3:8F:1A:61:C7:DC:25

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE

CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "DigiCert High Assurance EV Root CA"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\137\267\356\006\063\342\131\333\255\014\114\232\346\323\217\032
\141\307\334\045
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\324\164\336\127\134\071\262\323\234\205\203\305\300\145\111\212
```

END

CKA_ISSUER MULTILINE_OCTAL

```
\060\154\061\013\060\011\006\003\125\004\006\023\002\125\123\061
```

```
\025\060\023\006\003\125\004\012\023\014\104\151\147\151\103\145
\162\164\040\111\156\143\061\031\060\027\006\003\125\004\013\023
\020\167\167\167\056\144\151\147\151\143\145\162\164\056\143\157
\155\061\053\060\051\006\003\125\004\003\023\042\104\151\147\151
\103\145\162\164\040\110\151\147\150\040\101\163\163\165\162\141
\156\143\145\040\105\126\040\122\157\157\164\040\103\101
```

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

```
\002\020\002\254\134\046\152\013\100\233\217\013\171\362\256\106
\045\167
```

END

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_EMAIL_PROTECTION

CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#

Certificate "SwissSign Gold CA - G2"

#

Issuer: CN=SwissSign Gold CA - G2,O=SwissSign AG,C=CH

Serial Number:00:bb:40:1c:43:f5:5e:4f:b0

Subject: CN=SwissSign Gold CA - G2,O=SwissSign AG,C=CH

Not Valid Before: Wed Oct 25 08:30:35 2006

Not Valid After : Sat Oct 25 08:30:35 2036

Fingerprint (SHA-256):

62:DD:0B:E9:B9:F5:0A:16:3E:A0:F8:E7:5C:05:3B:1E:CA:57:EA:55:C8:68:8F:64:7C:68:81:F2:C8:35:7B:95

Fingerprint (SHA1): D8:C5:38:8A:B7:30:1B:1B:6E:D4:7A:E6:45:25:3A:6F:9F:1A:27:61

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "SwissSign Gold CA - G2"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL

```
\060\105\061\013\060\011\006\003\125\004\006\023\002\103\110\061
\025\060\023\006\003\125\004\012\023\014\123\167\151\163\163\123
\151\147\156\040\101\107\061\037\060\035\006\003\125\004\003\023
\026\123\167\151\163\163\123\151\147\156\040\107\157\154\144\040
\103\101\040\055\040\107\062
```

END

CKA_ID

UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

```
\060\105\061\013\060\011\006\003\125\004\006\023\002\103\110\061
\025\060\023\006\003\125\004\012\023\014\123\167\151\163\163\123
\151\147\156\040\101\107\061\037\060\035\006\003\125\004\003\023
\026\123\167\151\163\163\123\151\147\156\040\107\157\154\144\040
```

\103\101\040\055\040\107\062

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\002\011\000\273\100\034\103\365\136\117\260

END

CKA_VALUE MULTILINE_OCTAL

\060\202\005\272\060\202\003\242\240\003\002\001\002\002\011\000
\273\100\034\103\365\136\117\260\060\015\006\011\052\206\110\206
\367\015\001\001\005\005\000\060\105\061\013\060\011\006\003\125
\004\006\023\002\103\110\061\025\060\023\006\003\125\004\012\023
\014\123\167\151\163\163\123\151\147\156\040\101\107\061\037\060
\035\006\003\125\004\003\023\026\123\167\151\163\163\123\151\147
\156\040\107\157\154\144\040\103\101\040\055\040\107\062\060\036
\027\015\060\066\061\060\062\065\060\070\063\060\063\065\132\027
\015\063\066\061\060\062\065\060\070\063\060\063\065\132\060\105
\061\013\060\011\006\003\125\004\006\023\002\103\110\061\025\060
\023\006\003\125\004\012\023\014\123\167\151\163\163\123\151\147
\156\040\101\107\061\037\060\035\006\003\125\004\003\023\026\123
\167\151\163\163\123\151\147\156\040\107\157\154\144\040\103\101
\040\055\040\107\062\060\202\002\042\060\015\006\011\052\206\110
\206\367\015\001\001\001\005\000\003\202\002\017\000\060\202\002
\012\002\202\002\001\000\257\344\356\176\213\044\016\022\156\251
\120\055\026\104\073\222\222\134\312\270\135\204\222\102\023\052
\274\145\127\202\100\076\127\044\315\120\213\045\052\267\157\374
\357\242\320\300\037\002\044\112\023\226\217\043\023\346\050\130
\000\243\107\307\006\247\204\043\053\273\275\226\053\177\125\314
\213\301\127\037\016\142\145\017\335\075\126\212\163\332\256\176
\155\272\201\034\176\102\214\040\065\331\103\115\204\372\204\333
\122\054\363\016\047\167\013\153\277\021\057\162\170\237\056\330
\076\346\030\067\132\052\162\371\332\142\220\222\225\312\037\234
\351\263\074\053\313\363\001\023\277\132\317\301\265\012\140\275
\335\265\231\144\123\270\240\226\263\157\342\046\167\221\214\340
\142\020\002\237\064\017\244\325\222\063\121\336\276\215\272\204
\172\140\074\152\333\237\053\354\336\336\001\077\156\115\345\120
\206\313\264\257\355\104\100\305\312\132\214\332\322\053\174\250
\356\276\246\345\012\252\016\245\337\005\122\267\125\307\042\135
\062\152\227\227\143\023\333\311\333\171\066\173\205\072\112\305
\122\211\371\044\347\235\167\251\202\377\125\034\245\161\151\053
\321\002\044\362\263\046\324\153\332\004\125\345\301\012\307\155
\060\067\220\052\344\236\024\063\136\026\027\125\305\133\265\313
\064\211\222\361\235\046\217\241\007\324\306\262\170\120\333\014
\014\013\174\013\214\101\327\271\351\335\214\210\367\243\115\262
\062\314\330\027\332\315\267\316\146\235\324\375\136\377\275\227
\076\051\165\347\176\247\142\130\257\045\064\245\101\307\075\274
\015\120\312\003\003\017\010\132\037\225\163\170\142\277\257\162
\024\151\016\245\345\003\016\170\216\046\050\102\360\007\013\142
\040\020\147\071\106\372\251\003\314\004\070\172\146\357\040\203
\265\214\112\126\216\221\000\374\216\134\202\336\210\240\303\342

\150\156\175\215\357\074\335\145\364\135\254\121\357\044\200\256
\252\126\227\157\371\255\175\332\141\077\230\167\074\245\221\266
\034\214\046\332\145\242\011\155\301\342\124\343\271\312\114\114
\200\217\167\173\140\232\036\337\266\362\110\036\016\272\116\124
\155\230\340\341\242\032\242\167\120\317\304\143\222\354\107\031
\235\353\346\153\316\301\002\003\001\000\001\243\201\254\060\201
\251\060\016\006\003\125\035\017\001\001\377\004\004\003\002\001
\006\060\017\006\003\125\035\023\001\001\377\004\005\060\003\001
\001\377\060\035\006\003\125\035\016\004\026\004\024\133\045\173
\226\244\145\121\176\270\071\363\300\170\146\136\350\072\347\360
\356\060\037\006\003\125\035\043\004\030\060\026\200\024\133\045
\173\226\244\145\121\176\270\071\363\300\170\146\136\350\072\347
\360\356\060\106\006\003\125\035\040\004\077\060\075\060\073\006
\011\140\205\164\001\131\001\002\001\001\060\056\060\054\006\010
\053\006\001\005\005\007\002\001\026\040\150\164\164\160\072\057
\057\162\145\160\157\163\151\164\157\162\171\056\163\167\151\163
\163\163\151\147\156\056\143\157\155\057\060\015\006\011\052\206
\110\206\367\015\001\001\005\005\000\003\202\002\001\000\047\272
\343\224\174\361\256\300\336\027\346\345\330\325\365\124\260\203
\364\273\315\136\005\173\117\237\165\146\257\074\350\126\176\374
\162\170\070\003\331\053\142\033\000\271\370\351\140\315\314\316
\121\212\307\120\061\156\341\112\176\030\057\151\131\266\075\144
\201\053\343\203\204\346\042\207\216\175\340\356\002\231\141\270
\036\364\270\053\210\022\026\204\302\061\223\070\226\061\246\271
\073\123\077\303\044\223\126\133\151\222\354\305\301\273\070\000
\343\354\027\251\270\334\307\174\001\203\237\062\107\272\122\042
\064\035\062\172\011\126\247\174\045\066\251\075\113\332\300\202
\157\012\273\022\310\207\113\047\021\371\036\055\307\223\077\236
\333\137\046\153\122\331\056\212\361\024\306\104\215\025\251\267
\277\275\336\246\032\356\256\055\373\110\167\027\376\273\354\257
\030\365\052\121\360\071\204\227\225\154\156\033\303\053\304\164
\140\171\045\260\012\047\337\337\136\322\071\317\105\175\102\113
\337\263\054\036\305\306\135\312\125\072\240\234\151\232\217\332
\357\262\260\074\237\207\154\022\053\145\160\025\122\061\032\044
\317\157\061\043\120\037\214\117\217\043\303\164\101\143\034\125
\250\024\335\076\340\121\120\317\361\033\060\126\016\222\260\202
\205\330\203\313\042\144\274\055\270\045\325\124\242\270\006\352
\255\222\244\044\240\301\206\265\112\023\152\107\317\056\013\126
\225\124\313\316\232\333\152\264\246\262\333\101\010\206\047\167
\367\152\240\102\154\013\070\316\327\165\120\062\222\302\337\053
\060\042\110\320\325\101\070\045\135\244\351\135\237\306\224\165
\320\105\375\060\227\103\217\220\253\012\307\206\163\140\112\151
\055\336\245\170\327\006\332\152\236\113\076\167\072\040\023\042
\001\320\277\150\236\143\140\153\065\115\013\155\272\241\075\300
\223\340\177\043\263\125\255\162\045\116\106\371\322\026\357\260
\144\301\001\236\351\312\240\152\230\016\317\330\140\362\057\111
\270\344\102\341\070\065\026\364\310\156\117\367\201\126\350\272
\243\276\043\257\256\375\157\003\340\002\073\060\166\372\033\155

```

\101\317\001\261\351\270\311\146\364\333\046\363\072\244\164\362
\111\044\133\311\260\320\127\301\372\076\172\341\227\311
END
CKA_NSS_MOZILLA_CA_POLICY
CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

# Trust for "SwissSign Gold CA - G2"
# Issuer: CN=SwissSign Gold CA - G2,O=SwissSign AG,C=CH
# Serial Number:00:bb:40:1c:43:f5:5e:4f:b0
# Subject: CN=SwissSign Gold CA - G2,O=SwissSign AG,C=CH
# Not Valid Before: Wed Oct 25 08:30:35 2006
# Not Valid
  After : Sat Oct 25 08:30:35 2036
# Fingerprint (SHA-256):
62:DD:0B:E9:B9:F5:0A:16:3E:A0:F8:E7:5C:05:3B:1E:CA:57:EA:55:C8:68:8F:64:7C:68:81:F2:C8:35:7B:95
# Fingerprint (SHA1): D8:C5:38:8A:B7:30:1B:1B:6E:D4:7A:E6:45:25:3A:6F:9F:1A:27:61
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "SwissSign Gold CA - G2"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\330\305\070\212\267\060\033\033\156\324\172\346\105\045\072\157
\237\032\047\141
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\044\167\331\250\221\321\073\372\210\055\302\377\370\315\063\223
END
CKA_ISSUER MULTILINE_OCTAL
\060\105\061\013\060\011\006\003\125\004\006\023\002\103\110\061
\025\060\023\006\003\125\004\012\023\014\123\167\151\163\163\123
\151\147\156\040\101\107\061\037\060\035\006\003\125\004\003\023
\026\123\167\151\163\163\123\151\147\156\040\107\157\154\144\040
\103\101\040\055\040\107\062
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\011\000\273\100\034\103\365\136\117\260
END
CKA_TRUST_SERVER_AUTH
CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "SwissSign Silver CA - G2"

```

```
#
# Issuer: CN=SwissSign Silver CA - G2,O=SwissSign AG,C=CH
# Serial Number:4f:1b:d4:2f:54:bb:2f:4b
# Subject: CN=SwissSign Silver CA - G2,O=SwissSign AG,C=CH
# Not Valid Before: Wed Oct 25 08:32:46 2006
# Not Valid After : Sat Oct 25 08:32:46 2036
# Fingerprint (SHA-256):
BE:6C:4D:A2:BB:B9:BA:59:B6:F3:93:97:68:37:42:46:C3:C0:05:99:3F:A9:8F:02:0D:1D:ED:BE:D4:8A:81:D5
# Fingerprint (SHA1): 9B:AA:E5:9F:56:EE:21:CB:43:5A:BE:25:93:DF:A7:F0:40:D1:1D:CB
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "SwissSign Silver CA - G2"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\107\061\013\060\011\006\003\125\004\006\023\002\103\110\061
\025\060\023\006\003\125\004\012\023\014\123\167\151\163\163\123
\151\147\156\040\101\107\061\041\060\037\006\003\125\004\003\023
\030\123\167\151\163\163\123\151\147\156\040\123\151\154\166\145
\162\040\103\101\040\055\040\107\062
END
CKA_ID
UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\107\061\013\060\011\006\003\125\004\006\023\002\103\110\061
\025\060\023\006\003\125\004\012\023\014\123\167\151\163\163\123
\151\147\156\040\101\107\061\041\060\037\006\003\125\004\003\023
\030\123\167\151\163\163\123\151\147\156\040\123\151\154\166\145
\162\040\103\101\040\055\040\107\062
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\010\117\033\324\057\124\273\057\113
END
CKA_VALUE MULTILINE_OCTAL
\060\202\005\275\060\202\003\245\240\003\002\001\002\002\010\117
\033\324\057\124\273\057\113\060\015\006\011\052\206\110\206\367
\015\001\001\005\005\000\060\107\061\013\060\011\006\003\125\004
\006\023\002\103\110\061\025\060\023\006\003\125\004\012\023\014
\123\167\151\163\163\123\151\147\156\040\101\107\061\041\060\037
\006\003\125\004\003\023\030\123\167\151\163\163\123\151\147\156
\040\123\151\154\166\145\162\040\103\101\040\055\040\107\062\060
\036\027\015\060\066\061\060\062\065\060\070\063\062\064\066\132
\027\015\063\066\061\060\062\065\060\070\063\062\064\066\132\060
\107\061\013\060\011\006\003\125\004\006\023\002\103\110\061\025
\060\023\006\003\125\004\012\023\014\123\167\151\163\163\123\151
\147\156\040\101\107\061\041\060\037\006\003\125\004\003\023\030
\123\167\151\163\163\123\151\147\156\040\123\151\154\166\145\162
```

\040\103\101\040\055\040\107\062\060\202\002\042\060\015\006\011
\052\206\110\206\367\015\001\001\001\005\000\003\202\002\017\000
\060\202\002\012\002\202\002\001\000\304\361\207\177\323\170\061
\367\070\311\370\303\231\103\274\307\367\274\067\347\116\161\272
\113\217\245\163\035\134\156\230\256\003\127\256\070\067\103\057
\027\075\037\310\316\150\020\301\170\256\031\003\053\020\372\054
\171\203\366\350\271\150\271\125\362\004\104\247\071\371\374\004
\213\036\361\242\115\047\371\141\173\272\267\345\242\023\266\353
\141\076\320\154\321\346\373\372\136\355\035\264\236\240\065\133
\241\222\313\360\111\222\376\205\012\005\076\346\331\013\342\117
\273\334\225\067\374\221\351\062\065\042\321\037\072\116\047\205
\235\260\025\224\062\332\141\015\107\115\140\102\256\222\107\350
\203\132\120\130\351\212\213\271\135\241\334\335\231\112\037\066
\147\273\110\344\203\266\067\353\110\072\257\017\147\217\027\007
\350\004\312\357\152\061\207\324\300\266\371\224\161\173\147\144
\270\266\221\112\102\173\145\056\060\152\014\365\220\356\225\346
\362\315\202\354\331\241\112\354\366\262\113\345\105\205\346\155
\170\223\004\056\234\202\155\066\251\304\061\144\037\206\203\013
\052\364\065\012\170\311\125\317\101\260\107\351\060\237\231\276
\141\250\006\204\271\050\172\137\070\331\033\251\070\260\203\177
\163\301\303\073\110\052\202\017\041\233\270\314\250\065\303\204
\033\203\263\076\276\244\225\151\001\072\211\000\170\004\331\311
\364\231\031\253\126\176\133\213\206\071\025\221\244\020\054\011
\062\200\140\263\223\300\052\266\030\013\235\176\215\111\362\020
\112\177\371\325\106\057\031\222\243\231\247\046\254\273\214\074
\346\016\274\107\007\334\163\121\361\160\144\057\010\371\264\107
\035\060\154\104\352\051\067\205\222\150\146\274\203\070\376\173
\071\056\323\120\360\037\373\136\140\266\251\246\372\047\101\361
\233\030\162\362\365\204\164\112\311\147\304\124\256\110\144\337
\214\321\156\260\035\341\007\217\010\036\231\234\161\351\114\330
\245\367\107\022\037\164\321\121\236\206\363\302\242\043\100\013
\163\333\113\246\347\163\006\214\301\240\351\301\131\254\106\372
\346\057\370\317\161\234\106\155\271\304\025\215\070\171\003\105
\110\357\304\135\327\010\356\207\071\042\206\262\015\017\130\103
\367\161\251\110\056\375\352\326\037\002\003\001\000\001\243\201
\254\060\201\251\060\016\006\003\125\035\017\001\001\377\004\004
\003\002\001\006\060\017\006\003\125\035\023\001\001\377\004\005
\060\003\001\001\377\060\035\006\003\125\035\016\004\026\004\024
\027\240\315\301\344\101\266\072\133\073\313\105\235\275\034\302
\230\372\206\130\060\037\006\003\125\035\043\004\030\060\026\200
\024\027\240\315\301\344\101\266\072\133\073\313\105\235\275\034
\302\230\372\206\130\060\106\006\003\125\035\040\004\077\060\075
\060\073\006\011\140\205\164\001\131\001\003\001\001\060\056\060
\054\006\010\053\006\001\005\005\007\002\001\026\040\150\164\164
\160\072\057\057\162\145\160\157\163\151\164\157\162\171\056\163
\167\151\163\163\163\151\147\156\056\143\157\155\057\060\015\006
\011\052\206\110\206\367\015\001\001\005\005\000\003\202\002\001
\000\163\306\201\340\047\322\055\017\340\225\060\342\232\101\177

\120\054\137\137\142\141\251\206\152\151\030\014\164\111\326\135
\204\352\101\122\030\157\130\255\120\126\040\152\306\275\050\151
\130\221\334\221\021\065\251\072\035\274\032\245\140\236\330\037
\177\105\221\151\331\176\273\170\162\301\006\017\052\316\217\205
\160\141\254\240\315\013\270\071\051\126\204\062\116\206\273\075
\304\052\331\327\037\162\356\376\121\241\042\101\261\161\002\143
\032\202\260\142\253\136\127\022\037\337\313\335\165\240\300\135
\171\220\214\033\340\120\346\336\061\376\230\173\160\137\245\220
\330\255\370\002\266\157\323\140\335\100\113\042\305\075\255\072
\172\237\032\032\107\221\171\063\272\202\334\062\151\003\226\156
\037\113\360\161\376\343\147\162\240\261\277\134\213\344\372\231
\042\307\204\271\033\215\043\227\077\355\045\340\317\145\273\365
\141\004\357\335\036\262\132\101\042\132\241\237\135\054\350\133
\311\155\251\014\014\170\252\140\306\126\217\001\132\014\150\274
\151\031\171\304\037\176\227\005\277\305\351\044\121\136\324\325
\113\123\355\331\043\132\066\003\145\243\301\003\255\101\060\363
\106\033\205\220\257\145\265\325\261\344\026\133\170\165\035\227
\172\155\131\251\052\217\173\336\303\207\211\020\231\111\163\170
\310\075\275\121\065\164\052\325\361\176\151\033\052\273\073\275
\045\270\232\132\075\162\141\220\146\207\356\014\326\115\324\021
\164\013\152\376\013\003\374\243\125\127\211\376\112\313\256\133
\027\005\310\362\215\043\061\123\070\322\055\152\077\202\271\215
\010\152\367\136\101\164\156\303\021\176\007\254\051\140\221\077
\070\312\127\020\015\275\060\057\307\245\346\101\240\332\256\005
\207\232\240\244\145\154\114\011\014\211\272\270\323\271\300\223
\212\060\372\215\345\232\153\025\001\116\147\252\332\142\126\076
\204\010\146\322\304\066\175\247\076\020\374\210\340\324\200\345
\000\275\252\363\116\006\243\172\152\371\142\162\343\011\117\353
\233\016\001\043\361\237\273\174\334\334\154\021\227\045\262\362
\264\143\024\322\006\052\147\214\203\365\316\352\007\330\232\152
\036\354\344\012\273\052\114\353\011\140\071\316\312\142\330\056
\156

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "SwissSign Silver CA - G2"

Issuer: CN=SwissSign Silver CA - G2,O=SwissSign AG,C=CH

Serial Number:4f:1b:d4:2f:54:bb:2f:4b

#

Subject: CN=SwissSign Silver CA - G2,O=SwissSign AG,C=CH

Not Valid Before: Wed Oct 25 08:32:46 2006

Not Valid After : Sat Oct 25 08:32:46 2036

Fingerprint (SHA-256):

BE:6C:4D:A2:BB:B9:BA:59:B6:F3:93:97:68:37:42:46:C3:C0:05:99:3F:A9:8F:02:0D:1D:ED:BE:D4:8A:81:D5

Fingerprint (SHA1): 9B:AA:E5:9F:56:EE:21:CB:43:5A:BE:25:93:DF:A7:F0:40:D1:1D:CB


```

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "SwissSign Silver CA - G2"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\233\252\345\237\126\356\041\313\103\132\276\045\223\337\247\360
\100\321\035\313
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\340\006\241\311\175\317\311\374\015\300\126\165\226\330\142\023
END
CKA_ISSUER MULTILINE_OCTAL
\060\107\061\013\060\011\006\003\125\004\006\023\002\103\110\061
\025\060\023\006\003\125\004\012\023\014\123\167\151\163\163\123
\151\147\156\040\101\107\061\041\060\037\006\003\125\004\003\023
\030\123\167\151\163\163\123\151\147\156\040\123\151\154\166\145
\162\040\103\101\040\055\040\107\062
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\010\117\033\324\057\124\273\057\113
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "SecureTrust CA"
#
# Issuer: CN=SecureTrust CA,O=SecureTrust Corporation,C=US
# Serial Number:0c:f0:8e:5c:08:16:a5:ad:42:7f:f0:eb:27:18:59:d0
# Subject: CN=SecureTrust CA,O=SecureTrust Corporation,C=US
# Not Valid Before: Tue Nov 07 19:31:18 2006
# Not Valid After : Mon Dec 31 19:40:55 2029
# Fingerprint (SHA-256):
F1:C1:B5:0A:E5:A2:0D:D8:03:0E:C9:F6:BC:24:82:3D:D3:67:B5:25:57:59:B4:E7:1B:61:FC:E9:F7:37:5D:73
# Fingerprint (SHA1): 87:82:C6:C3:04:35:3B:CF:D2:96:92:D2:59:3E:7D:44:D9:34:FF:11
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL
CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "SecureTrust CA"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\110\061\013\060\011\006\003\125\004\006\023\002\125\123\061

```

\040\060\036\006\003\125\004\012\023\027\123\145\143\165\162\145
\124\162\165\163\164\040\103\157\162\160\157\162\141\164\151\157
\156\061\027\060\025\006\003\125\004\003\023\016\123\145\143\165
\162\145\124\162\165\163\164\040\103\101

END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

\060\110\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\040\060\036\006\003\125\004\012\023\027\123\145\143\165\162\145
\124\162\165\163\164\040\103\157\162\160\157\162\141\164\151\157
\156\061\027\060\025\006\003\125\004\003\023\016\123\145\143\165
\162\145\124\162\165\163\164\040\103\101

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\002\020\014\360\216\134\010\026\245\255\102\177\360\353\047\030
\131\320

END

CKA_VALUE MULTILINE_OCTAL

\060\202\003\270\060\202\002\240\240\003\002\001\002\002\020\014
\360\216\134\010\026\245\255\102\177\360\353\047\030\131\320\060
\015\006\011\052\206\110\206\367\015\001\001\005\005\000\060\110
\061\013\060\011\006\003\125\004\006\023\002\125\123\061\040\060
\036\006\003\125\004\012\023\027\123\145\143\165\162\145\124\162
\165\163\164\040\103\157\162\160\157\162\141\164\151\157\156\061
\027\060\025\006\003\125\004\003\023\016\123\145\143\165\162\145
\124\162\165\163\164\040\103\101\060\036\027\015\060\066\061\061
\060\067\061\071\063\061\061\070\132\027\015\062\071\061\062\063
\061\061\071\064\060\065\065\132\060\110\061\013\060\011\006\003
\125\004\006\023\002\125\123\061\040\060\036\006\003\125\004\012
\023\027\123\145\143\165\162\145\124\162\165\163\164\040\103\157
\162\160\157\162\141\164\151\157\156\061\027\060\025\006\003\125
\004\003\023\016\123\145\143\165\162\145\124\162\165\163\164\040
\103\101\060\202\001\042\060\015\006\011\052\206\110\206\367\015
\001\001\001\005\000\003\202\001\017\000\060\202\001\012\002\202
\001\001\000\253\244\201\345\225\315\365\366\024\216\302\117\312
\324\342\170\225\130\234\101\341\015\231\100\044\027\071\221\063
\146\351\276\341\203\257\142\134\211\321\374\044\133\141\263\340
\021\021\101\034\035\156\360\270\273\370\336\247\201\272\246\110
\306\237\035\275\276\216\251\101\076\270\224\355\051\032\324\216
\322\003\035\003\357\155\015\147\034\127\327\006\255\312\310\365
\376\016\257\146\045\110\004\226\013\135\243\272\026\303\010\117
\321\106\370\024\134\362\310\136\001\231\155\375\210\314\206\250
\301\157\061\102\154\122\076\150\313\363\031\064\337\273\207\030
\126\200\046\304\320\334\300\157\337\336\240\302\221\026\240\144
\021\113\104\274\036\366\347\372\143\336\146\254\166\244\161\243
\354\066\224\150\172\167\244\261\347\016\057\201\172\342\265\162
\206\357\242\153\213\360\017\333\323\131\077\272\162\274\104\044
\234\343\163\263\367\257\127\057\102\046\235\251\164\272\000\122

\362\113\315\123\174\107\013\066\205\016\146\251\010\227\026\064
\127\301\146\367\200\343\355\160\124\307\223\340\056\050\025\131
\207\272\273\002\003\001\000\001\243\201\235\060\201\232\060\023
\006\011\053\006\001\004\001\202\067\024\002\004\006\036\004\000
\103\000\101\060\013\006\003\125\035\017\004\004\003\002\001\206
\060\017\006\003\125\035\023\001\001\377\004\005\060\003\001\001
\377\060\035\006\003\125\035\016\004\026\004\024\102\062\266\026
\372\004\375\376\135\113\172\303\375\367\114\100\035\132\103\257
\060\064\006\003\125\035\037\004\055\060\053\060\051\240\047\240
\045\206\043\150\164\164\160\072\057\057\143\162\154\056\163\145
\143\165\162\145\164\162\165\163\164\056\143\157\155\057\123\124
\103\101\056\143\162\154\060\020\006\011\053\006\001\004\001\202
\067\025\001\004\003\002\001\000\060\015\006\011\052\206\110\206
\367\015\001\001\005\005\000\003\202\001\001\000\060\355\117\112
\341\130\072\122\162\133\265\246\243\145\030\246\273\121\073\167
\351\235\352\323\237\134\340\105\145\173\015\312\133\342\160\120
\262\224\005\024\256\111\307\215\101\007\022\163\224\176\014\043
\041\375\274\020\177\140\020\132\162\365\230\016\254\354\271\177
\335\172\157\135\323\034\364\377\210\005\151\102\251\005\161\310
\267\254\046\350\056\264\214\152\377\161\334\270\261\337\231\274
\174\041\124\053\344\130\242\273\127\051\256\236\251\243\031\046
\017\231\056\010\260\357\375\151\317\231\032\011\215\343\247\237
\053\311\066\064\173\044\263\170\114\225\027\244\006\046\036\266
\144\122\066\137\140\147\331\234\305\005\164\013\347\147\043\322
\010\374\210\351\256\213\177\341\060\364\067\176\375\306\062\332
\055\236\104\060\060\154\356\007\336\322\064\374\322\377\100\366
\113\364\146\106\006\124\246\362\062\012\143\046\060\153\233\321
\334\213\107\272\341\271\325\142\320\242\240\364\147\005\170\051
\143\032\157\004\326\370\306\114\243\232\261\067\264\215\345\050
\113\035\236\054\302\270\150\274\355\002\356\061

END

CKA_NSS_Mozilla_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "SecureTrust CA"

#

Issuer: CN=SecureTrust CA,O=SecureTrust Corporation,C=US

Serial Number:0c:f0:8e:5c:08:16:a5:ad:42:7f:f0:eb:27:18:59:d0

Subject: CN=SecureTrust CA,O=SecureTrust Corporation,C=US

Not Valid Before: Tue Nov 07 19:31:18 2006

Not Valid After : Mon Dec 31 19:40:55 2029

Fingerprint (SHA-256):

F1:C1:B5:0A:E5:A2:0D:D8:03:0E:C9:F6:BC:24:82:3D:D3:67:B5:25:57:59:B4:E7:1B:61:FC:E9:F7:37:5D:73

Fingerprint (SHA1): 87:82:C6:C3:04:35:3B:CF:D2:96:92:D2:59:3E:7D:44:D9:34:FF:11

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

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CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "SecureTrust CA"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\207\202\306\303\004\065\073\317\322\226\222\322\131\076\175\104
\331\064\377\021
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\334\062\303\247\155\045\127\307\150\011\235\352\055\251\242\321
END
CKA_ISSUER MULTILINE_OCTAL
\060\110\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\040\060\036\006\003\125\004\012\023\027\123\145\143\165\162\145
\124\162\165\163\164\040\103\157\162\160\157\162\141\164\151\157
\156\061\027\060\025\006\003\125\004\003\023\016\123\145\143\165
\162\145\124\162\165\163\164\040\103\101
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\020\014\360\216\134\010\026\245\255\102\177\360\353\047\030
\131\320
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "Secure Global CA"
#
# Issuer: CN=Secure Global CA,O=SecureTrust Corporation,C=US
# Serial Number:07:56:22:a4:e8:d4:8a:89:4d:f4:13:c8:f0:f8:ea:a5
# Subject: CN=Secure Global CA,O=SecureTrust Corporation,C=US
# Not Valid Before: Tue Nov 07 19:42:28 2006
# Not Valid After : Mon Dec 31 19:52:06 2029
# Fingerprint (SHA-256):
42:00:F5:04:3A:C8:59:0E:BB:52:7D:20:9E:D1:50:30:29:FB:CB:D4:1C:A1:B5:06:EC:27:F1:5A:DE:7D:AC:69
# Fingerprint (SHA1): 3A:44:73:5A:E5:81:90:1F:24:86:61:46:1E:3B:9C:C4:5F:F5:3A:1B
CKA_CLASS
CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Secure Global CA"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\112\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\040\060\036\006\003\125\004\012\023\027\123\145\143\165\162\145

```

\124\162\165\163\164\040\103\157\162\160\157\162\141\164\151\157
\156\061\031\060\027\006\003\125\004\003\023\020\123\145\143\165
\162\145\040\107\154\157\142\141\154\040\103\101

END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

\060\112\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\040\060\036\006\003\125\004\012\023\027\123\145\143\165\162\145
\124\162\165\163\164\040\103\157\162\160\157\162\141\164\151\157
\156\061\031\060\027\006\003\125\004\003\023\020\123\145\143\165
\162\145\040\107\154\157\142\141\154\040\103\101

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\002\020\007\126\042\244\350\324\212\211\115\364\023\310\360\370
\352\245

END

CKA_VALUE

MULTILINE_OCTAL

\060\202\003\274\060\202\002\244\240\003\002\001\002\002\020\007
\126\042\244\350\324\212\211\115\364\023\310\360\370\352\245\060
\015\006\011\052\206\110\206\367\015\001\001\005\005\000\060\112
\061\013\060\011\006\003\125\004\006\023\002\125\123\061\040\060
\036\006\003\125\004\012\023\027\123\145\143\165\162\145\124\162
\165\163\164\040\103\157\162\160\157\162\141\164\151\157\156\061
\031\060\027\006\003\125\004\003\023\020\123\145\143\165\162\145
\040\107\154\157\142\141\154\040\103\101\060\036\027\015\060\066
\061\061\060\067\061\071\064\062\062\070\132\027\015\062\071\061
\062\063\061\061\071\065\062\060\066\132\060\112\061\013\060\011
\006\003\125\004\006\023\002\125\123\061\040\060\036\006\003\125
\004\012\023\027\123\145\143\165\162\145\124\162\165\163\164\040
\103\157\162\160\157\162\141\164\151\157\156\061\031\060\027\006
\003\125\004\003\023\020\123\145\143\165\162\145\040\107\154\157
\142\141\154\040\103\101\060\202\001\042\060\015\006\011\052\206
\110\206\367\015\001\001\001\005\000\003\202\001\017\000\060\202
\001\012\002\202\001\001\000\257\065\056\330\254\154\125\151\006
\161\345\023\150\044\263\117\330\314\041\107\370\361\140\070\211
\211\003\351\275\352\136\106\123\011\334\134\365\132\350\367\105
\052\002\353\061\141\327\051\063\114\316\307\174\012\067\176\017
\272\062\230\341\035\227\257\217\307\334\311\070\226\363\333\032
\374\121\355\150\306\320\156\244\174\044\321\256\102\310\226\120
\143\056\340\376\165\376\230\247\137\111\056\225\343\071\063\144
\216\036\244\137\220\322\147\074\262\331\376\101\271\125\247\011
\216\162\005\036\213\335\104\205\202\102\320\111\300\035\140\360
\321\027\054\225\353\366\245\301\222\243\305\302\247\010\140\015
\140\004\020\226\171\236\026\064\346\251\266\372\045\105\071\310
\036\145\371\223\365\252\361\122\334\231\230\075\245\206\032\014
\065\063\372\113\245\004\006\025\034\061\200\357\252\030\153\302
\173\327\332\316\371\063\040\325\365\275\152\063\055\201\004\373

\260\134\324\234\243\342\134\035\343\251\102\165\136\173\324\167
\357\071\124\272\311\012\030\033\022\231\111\057\210\113\375\120
\142\321\163\347\217\172\103\002\003\001\000\001\243\201\235\060
\201\232\060\023\006\011\053\006\001\004\001\202\067\024\002\004
\006\036\004\000\103\000\101\060\013\006\003\125\035\017\004\004
\003\002\001\206\060\017\006\003\125\035\023\001\001\377\004\005
\060\003\001\001\377\060\035\006\003\125\035\016\004\026\004\024
\257\104\004\302\101\176\110\203\333\116\071\002\354\354\204\172
\346\316\311\244\060\064\006\003\125\035\037\004\055\060\053\060
\051\240\047\240\045\206\043\150\164\164\160\072\057\057\143\162
\154\056\163\145\143\165\162\145\164\162\165\163\164\056\143\157
\155\057\123\107\103\101\056\143\162\154\060\020\006\011\053\006
\001\004\001\202\067\025\001\004\003\002\001\000\060\015\006\011
\052\206\110\206\367\015\001\001\005\005\000\003\202\001\001\000
\143\032\010\100\175\244\136\123\015\167\330\172\256\037\015\013
\121\026\003\357\030\174\310\343\257\152\130\223\024\140\221\262
\204\334\210\116\276\071\212\072\363\346\202\211\135\001\067\263
\253\044\244\025\016\222\065\132\112\104\136\116\127\372\165\316
\037\110\316\146\364\074\100\046\222\230\154\033\356\044\106\014
\027\263\122\245\333\245\221\221\317\067\323\157\347\047\010\072
\116\031\037\072\247\130\134\027\317\171\077\213\344\247\323\046
\043\235\046\017\130\151\374\107\176\262\320\215\213\223\277\051
\117\103\151\164\166\147\113\317\007\214\346\002\367\265\341\264
\103\265\113\055\024\237\371\334\046\015\277\246\107\164\006\330
\210\321\072\051\060\204\316\322\071\200\142\033\250\307\127\111
\274\152\125\121\147\025\112\276\065\007\344\325\165\230\067\171
\060\024\333\051\235\154\305\151\314\107\125\242\060\367\314\134
\177\302\303\230\034\153\116\026\200\353\172\170\145\105\242\000
\032\257\014\015\125\144\064\110\270\222\271\361\264\120\051\362
\117\043\037\332\154\254\037\104\341\335\043\170\121\133\307\026
END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "Secure Global CA"

Issuer: CN=Secure Global CA,O=SecureTrust Corporation,C=US

Serial Number:07:56:22:a4:e8:d4:8a:89:4d:f4:13:c8:f0:f8:ea:a5

Subject: CN=Secure Global CA,O=SecureTrust Corporation,C=US

Not Valid Before: Tue Nov 07 19:42:28 2006

Not Valid After : Mon Dec 31 19:52:06 2029

Fingerprint (SHA-256):

42:00:F5:04:3A:C8:59:0E:BB:52:7D:20:9E:D1:50:30:29:FB:CB:D4:1C:A1:B5:06:EC:27:F1:5A:DE:7D:AC:69

Fingerprint (SHA1): 3A:44:73:5A:E5:81:90:1F:24:86:61:46:1E:3B:9C:C4:5F:F5:3A:1B

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

```

CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Secure Global CA"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\072\104\163\132\345\201\220\037\044\206\141\106\036\073\234\304
\137\365\072\033
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\317\364\047\015\324\355\334\145\026\111\155\075\332\277\156\336
END
CKA_ISSUER
MULTILINE_OCTAL
\060\112\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\040\060\036\006\003\125\004\012\023\027\123\145\143\165\162\145
\124\162\165\163\164\040\103\157\162\160\157\162\141\164\151\157
\156\061\031\060\027\006\003\125\004\003\023\020\123\145\143\165
\162\145\040\107\154\157\142\141\154\040\103\101
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\007\126\042\244\350\324\212\211\115\364\023\310\360\370
\352\245
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "COMODO Certification Authority"
#
# Issuer: CN=COMODO Certification Authority,O=COMODO CA Limited,L=Salford,ST=Greater
Manchester,C=GB
# Serial Number:4e:81:2d:8a:82:65:e0:0b:02:ee:3e:35:02:46:e5:3d
# Subject: CN=COMODO Certification Authority,O=COMODO CA Limited,L=Salford,ST=Greater
Manchester,C=GB
# Not Valid Before: Fri Dec 01 00:00:00 2006
# Not Valid After : Mon Dec 31 23:59:59 2029
# Fingerprint (SHA-256):
0C:2C:D6:3D:F7:80:6F:A3:99:ED:E8:09:11:6B:57:5B:F8:79:89:F0:65:18:F9:80:8C:86:05:03:17:8B:AF:66
# Fingerprint (SHA1): 66:31:BF:9E:F7:4F:9E:B6:C9:D5:A6:0C:BA:6A:BE:D1:F7:BD:EF:7B
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "COMODO Certification Authority"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\201\061\013\060\011\006\003\125\004\006\023\002\107\102
\061\033\060\031\006\003\125\004\010\023\022\107\162\145\141\164

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\145\162\040\115\141\156\143\150\145\163\164\145\162\061\020\060
\016\006\003\125\004\007\023\007\123\141\154\146\157\162\144\061
\032\060\030\006\003\125\004\012\023\021\103\117\115\117\104\117
\040\103\101\040\114\151\155\151\164\145\144\061\047\060\045\006
\003\125\004\003\023\036\103\117\115\117\104\117\040\103\145\162
\164\151\146\151\143\141\164\151\157\156\040\101\165\164\150\157
\162\151\164\171

END

CKA_ID

UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

\060\201\201\061\013\060\011\006\003\125\004\006\023\002\107\102
\061\033\060\031\006\003\125\004\010\023\022\107\162\145\141\164
\145\162\040\115\141\156\143\150\145\163\164\145\162\061\020\060
\016\006\003\125\004\007\023\007\123\141\154\146\157\162\144\061
\032\060\030\006\003\125\004\012\023\021\103\117\115\117\104\117
\040\103\101\040\114\151\155\151\164\145\144\061\047\060\045\006
\003\125\004\003\023\036\103\117\115\117\104\117\040\103\145\162
\164\151\146\151\143\141\164\151\157\156\040\101\165\164\150\157
\162\151\164\171

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\002\020\116\201\055\212\202\145\340\013\002\356\076\065\002\106
\345\075

END

CKA_VALUE MULTILINE_OCTAL

\060\202\004\035\060\202\003\005\240\003\002\001\002\002\020\116
\201\055\212\202\145\340\013\002\356\076\065\002\106\345\075\060
\015\006\011\052\206\110\206\367\015\001\001\005\005\000\060\201
\201\061\013\060\011\006\003\125\004\006\023\002\107\102\061\033
\060\031\006\003\125\004\010\023\022\107\162\145\141\164\145\162
\040\115\141\156\143\150\145\163\164\145\162\061\020\060\016\006
\003\125\004\007\023\007\123\141\154\146\157\162\144\061\032\060
\030\006\003\125\004\012\023\021\103\117\115\117\104\117\040\103
\101\040\114\151\155\151\164\145\144\061\047\060\045\006\003\125
\004\003\023\036\103\117\115\117\104\117\040\103\145\162\164\151
\146\151\143\141\164\151\157\156\040\101\165\164\150\157\162\151
\164\171\060\036\027\015\060\066\061\062\060\061\060\060\060\060
\060\060\132\027\015\062\071\061\062\063\061\062\063\065\071\065
\071\132\060\201\201\061\013\060\011\006\003\125\004\006\023\002
\107\102\061\033\060\031\006\003\125\004\010\023\022\107\162\145
\141\164\145\162\040\115\141\156\143\150\145\163\164\145\162\061
\020\060\016\006\003\125\004\007\023\007\123\141\154\146\157\162
\144\061\032\060\030\006\003\125\004\012\023\021\103\117\115\117
\104\117\040\103\101\040\114\151\155\151\164\145\144\061\047\060
\045\006\003\125\004\003\023\036\103\117\115\117\104\117\040\103
\145\162\164\151\146\151\143\141\164\151\157\156\040\101\165\164
\150\157\162\151\164\171\060\202\001\042\060\015\006\011\052\206

\110\206\367\015\001\001\001\005\000\003\202\001\017\000\060\202
\001\012\002\202\001\001\000\320\100\213\213\162\343\221\033\367
\121\301\033\124\004\230\323\251\277\301\346\212\135\073\207\373
\273\210\316\015\343\057\077\006\226\360\242\051\120\231\256\333
\073\241\127\260\164\121\161\315\355\102\221\115\101\376\251\310
\330\152\206\167\104\273\131\146\227\120\136\264\324\054\160\104
\317\332\067\225\102\151\074\060\304\161\263\122\360\041\115\241
\330\272\071\174\034\236\243\044\235\362\203\026\230\252\026\174
\103\233\025\133\267\256\064\221\376\324\142\046\030\106\232\077
\353\301\371\361\220\127\353\254\172\015\213\333\162\060\152\146
\325\340\106\243\160\334\150\331\377\004\110\211\167\336\265\351
\373\147\155\101\351\274\071\275\062\331\142\002\361\261\250\075
\156\067\234\342\057\342\323\242\046\213\306\270\125\103\210\341
\043\076\245\322\044\071\152\107\253\000\324\241\263\251\045\376
\015\077\247\035\272\323\121\301\013\244\332\254\070\357\125\120
\044\005\145\106\223\064\117\055\215\255\306\324\041\031\322\216
\312\005\141\161\007\163\107\345\212\031\022\275\004\115\316\116
\234\245\110\254\273\046\367\002\003\001\000\001\243\201\216\060
\201\213\060\035\006\003\125\035\016\004\026\004\024\013\130\345
\213\306\114\025\067\244\100\251\060\251\041\276\107\066\132\126
\377\060\016\006\003\125\035\017\001\001\377\004\004\003\002\001
\006\060\017\006\003\125\035\023\001\001\377\004\005\060\003\001
\001\377\060\111\006\003\125\035\037\004\102\060\100\060\076\240
\074\240\072\206\070\150\164\164\160\072\057\057\143\162\154\056
\143\157\155\157\144\157\143\141\056\143\157\155\057\103\117\115
\117\104\117\103\145\162\164\151\146\151\143\141\164\151\157\156
\101\165\164\150\157\162\151\164\171\056\143\162\154\060\015\006
\011\052\206\110\206\367\015\001\001\005\005\000\003\202\001\001
\000\076\230\236\233\366\033\351\327\071\267\170\256\035\162\030
\111\323\207\344\103\202\353\077\311\252\365\250\265\357\125\174
\041\122\145\371\325\015\341\154\364\076\214\223\163\221\056\002
\304\116\007\161\157\300\217\070\141\010\250\036\201\012\300\057
\040\057\101\213\221\334\110\105\274\361\306\336\272\166\153\063
\310\000\055\061\106\114\355\347\235\317\210\224\377\063\300\126
\350\044\206\046\270\330\070\070\337\052\153\335\022\314\307\077
\107\027\114\242\302\006\226\011\326\333\376\077\074\106\101\337
\130\342\126\017\074\073\301\034\223\065\331\070\122\254\356\310
\354\056\060\116\224\065\264\044\037\113\170\151\332\362\002\070
\314\225\122\223\360\160\045\131\234\040\147\304\356\371\213\127
\141\364\222\166\175\077\204\215\125\267\350\345\254\325\361\365
\031\126\246\132\373\220\034\257\223\353\345\034\324\147\227\135
\004\016\276\013\203\246\027\203\271\060\022\240\305\063\025\005
\271\015\373\307\005\166\343\330\112\215\374\064\027\243\306\041
\050\276\060\105\061\036\307\170\276\130\141\070\254\073\342\001
\145

END

CKA_NSS_MOZILLA_CA_POLICY

```

CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for "COMODO Certification Authority"
# Issuer: CN=COMODO Certification Authority,O=COMODO CA Limited,L=Salford,ST=Greater
Manchester,C=GB
# Serial Number:4e:81:2d:8a:82:65:e0:0b:02:ee:3e:35:02:46:e5:3d
# Subject: CN=COMODO Certification Authority,O=COMODO CA Limited,L=Salford,ST=Greater
Manchester,C=GB
# Not Valid Before: Fri Dec 01 00:00:00 2006
# Not Valid After : Mon Dec 31 23:59:59 2029
# Fingerprint (SHA-256):
0C:2C:D6:3D:F7:80:6F:A3:99:ED:E8:09:11:6B:57:5B:F8:79:89:F0:65:18:F9:80:8C:86:05:03:17:8B:AF:66
# Fingerprint (SHA1): 66:31:BF:9E:F7:4F:9E:B6:C9:D5:A6:0C:BA:6A:BE:D1:F7:BD:EF:7B
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE
CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "COMODO Certification Authority"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\146\061\277\236\367\117\236\266\311\325\246\014\272\152\276\321
\367\275\357\173
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\134\110\334\367\102\162\354\126\224\155\034\314\161\065\200\165
END
CKA_ISSUER MULTILINE_OCTAL
\060\201\201\061\013\060\011\006\003\125\004\006\023\002\107\102
\061\033\060\031\006\003\125\004\010\023\022\107\162\145\141\164
\145\162\040\115\141\156\143\150\145\163\164\145\162\061\020\060
\016\006\003\125\004\007\023\007\123\141\154\146\157\162\144\061
\032\060\030\006\003\125\004\012\023\021\103\117\115\117\104\117
\040\103\101\040\114\151\155\151\164\145\144\061\047\060\045\006
\003\125\004\003\023\036\103\117\115\117\104\117\040\103\145\162
\164\151\146\151\143\141\164\151\157\156\040\101\165\164\150\157
\162\151\164\171
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\116\201\055\212\202\145\340\013\002\356\076\065\002\106
\345\075
END
CKA_TRUST_SERVER_AUTH CK_TRUST
CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

```

```

#
# Certificate "COMODO ECC Certification Authority"
#
# Issuer: CN=COMODO ECC Certification Authority,O=COMODO CA Limited,L=Salford,ST=Greater
Manchester,C=GB
# Serial Number: 1f:47:af:aa:62:00:70:50:54:4c:01:9e:9b:63:99:2a
# Subject: CN=COMODO ECC Certification Authority,O=COMODO CA Limited,L=Salford,ST=Greater
Manchester,C=GB
# Not Valid Before: Thu Mar 06 00:00:00 2008
# Not Valid After : Mon Jan 18 23:59:59 2038
# Fingerprint (SHA-256):
17:93:92:7A:06:14:54:97:89:AD:CE:2F:8F:34:F7:F0:B6:6D:0F:3A:E3:A3:B8:4D:21:EC:15:DB:BA:4F:AD:C7
# Fingerprint (SHA1): 9F:74:4E:9F:2B:4D:BA:EC:0F:31:2C:50:B6:56:3B:8E:2D:93:C3:11
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "COMODO ECC Certification Authority"
CKA_CERTIFICATE_TYPE
CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\205\061\013\060\011\006\003\125\004\006\023\002\107\102
\061\033\060\031\006\003\125\004\010\023\022\107\162\145\141\164
\145\162\040\115\141\156\143\150\145\163\164\145\162\061\020\060
\016\006\003\125\004\007\023\007\123\141\154\146\157\162\144\061
\032\060\030\006\003\125\004\012\023\021\103\117\115\117\104\117
\040\103\101\040\114\151\155\151\164\145\144\061\053\060\051\006
\003\125\004\003\023\042\103\117\115\117\104\117\040\105\103\103
\040\103\145\162\164\151\146\151\143\141\164\151\157\156\040\101
\165\164\150\157\162\151\164\171
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\201\205\061\013\060\011\006\003\125\004\006\023\002\107\102
\061\033\060\031\006\003\125\004\010\023\022\107\162\145\141\164
\145\162\040\115\141\156\143\150\145\163\164\145\162\061\020\060
\016\006\003\125\004\007\023\007\123\141\154\146\157\162\144\061
\032\060\030\006\003\125\004\012\023\021\103\117\115\117\104\117
\040\103\101\040\114\151\155\151\164\145\144\061\053\060\051\006
\003\125\004\003\023\042\103\117\115\117\104\117\040\105\103\103
\040\103\145\162\164\151\146\151\143\141\164\151\157\156\040\101
\165\164\150\157\162\151\164\171
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\020\037\107\257\252\142\000\160\120\124\114\001\236\233\143
\231\052

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END

CKA_VALUE MULTILINE_OCTAL

```
\060\202\002\211\060\202\002\017\240\003\002\001\002\002\020\037
\107\257\252\142\000\160\120\124\114\001\236\233\143\231\052\060
\012\006\010\052\206\110\316\075\004\003\003\060\201\205\061\013
\060\011\006\003\125\004\006\023\002\107\102\061\033\060\031\006
\003\125\004\010\023\022\107\162\145\141\164\145\162\040\115\141
\156\143\150\145\163\164\145\162\061\020\060\016\006\003\125\004
\007\023\007\123\141\154\146\157\162\144\061\032\060\030\006\003
\125\004\012\023\021\103\117\115\117\104\117\040\103\101\040\114
\151\155\151\164\145\144\061\053\060\051\006\003\125\004\003\023
\042\103\117\115\117\104\117\040\105\103\103\040\103\145\162\164
\151\146\151\143\141\164\151\157\156\040\101\165\164\150\157\162
\151\164\171\060\036\027\015\060\070\060\063\060\066\060\060\060
\060\060\060\132\027\015\063\070\060\061\061\070\062\063\065\071
\065\071\132\060\201\205\061\013\060\011\006\003\125\004\006\023
\002\107\102\061\033\060\031\006\003\125\004\010\023\022\107\162
\145\141\164\145\162\040\115\141\156\143\150\145\163\164\145\162
\061\020\060\016\006\003\125\004\007\023\007\123\141\154\146\157
\162\144\061\032\060\030\006\003\125\004\012\023\021\103\117\115
\117\104\117\040\103\101\040\114\151\155\151\164\145\144\061\053
\060\051\006\003\125\004\003\023\042\103\117\115\117\104\117\040
\105\103\103\040\103\145\162\164\151\146\151\143\141\164\151\157
\156\040\101\165\164\150\157\162\151\164\171\060\166\060\020\006
\007\052\206\110\316\075\002\001\006\005\053\201\004\000\042\003
\142\000\004\003\107\173\057\165\311\202\025\205\373\165\344\221
\026\324\253\142\231\365\076\122\013\006\316\101\000\177\227\341
\012\044\074\035\001\004\356\075\322\215\011\227\014\340\165\344
\372\373\167\212\052\365\003\140\113\066\213\026\043\026\255\011
\161\364\112\364\050\120\264\376\210\034\156\077\154\057\057\011
\131\133\245\133\013\063\231\342\303\075\211\371\152\054\357\262
\323\006\351\243\102\060\100\060\035\006\003\125\035\016\004\026
\004\024\165\161\247\031\110\031\274\235\235\352\101\107\337\224
\304\110\167\231\323\171\060\016\006\003\125\035\017\001\001\377
\004\004\003\002\001\006\060\017\006\003\125\035\023\001\001\377
\004\005\060\003\001\001\377\060\012\006\010\052\206\110\316\075
\004\003\003\003\150\000\060\145\002\061\000\357\003\133\172\254
\267\170\012\162\267\210\337\377\265\106\024\011\012\372\240\346
\175\010\306\032\207\275\030\250\163\275\046\312\140\014\235\316
\231\237\317\134\017\060\341\276\024\061\352\002\060\024\364\223
\074\111\247\063\172\220\106\107\263\143\175\023\233\116\267\157
\030\067\200\123\376\335\040\340\065\232\066\321\307\001\271\346
\334\335\363\377\035\054\072\026\127\331\222\071\326
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

```
# Trust for "COMODO ECC Certification Authority"
# Issuer: CN=COMODO ECC Certification Authority,O=COMODO CA Limited,L=Salford,ST=Greater
Manchester,C=GB
# Serial Number:1f:47:af:aa:62:00:70:50:54:4c:01:9e:9b:63:99:2a
# Subject: CN=COMODO ECC Certification Authority,O=COMODO CA Limited,L=Salford,ST=Greater
Manchester,C=GB
# Not Valid Before: Thu Mar 06 00:00:00 2008
# Not Valid After : Mon Jan 18 23:59:59 2038
# Fingerprint (SHA-256):
17:93:92:7A:06:14:54:97:89:AD:CE:2F:8F:34:F7:F0:B6:6D:0F:3A:E3:A3:B8:4D:21:EC:15:DB:BA:4F:AD:C7
# Fingerprint (SHA1): 9F:74:4E:9F:2B:4D:BA:EC:0F:31:2C:50:B6:56:3B:8E:2D:93:C3:11
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "COMODO ECC Certification Authority"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\237\164\116\237\053\115\272\354\017\061\054\120\266\126\073\216
\055\223\303\021
END
CKA_CERT_MD5_HASH
MULTILINE_OCTAL
\174\142\377\164\235\061\123\136\150\112\325\170\252\036\277\043
END
CKA_ISSUER MULTILINE_OCTAL
\060\201\205\061\013\060\011\006\003\125\004\006\023\002\107\102
\061\033\060\031\006\003\125\004\010\023\022\107\162\145\141\164
\145\162\040\115\141\156\143\150\145\163\164\145\162\061\020\060
\016\006\003\125\004\007\023\007\123\141\154\146\157\162\144\061
\032\060\030\006\003\125\004\012\023\021\103\117\115\117\104\117
\040\103\101\040\114\151\155\151\164\145\144\061\053\060\051\006
\003\125\004\003\023\042\103\117\115\117\104\117\040\105\103\103
\040\103\145\162\164\151\146\151\143\141\164\151\157\156\040\101
\165\164\150\157\162\151\164\171
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\037\107\257\252\142\000\160\120\124\114\001\236\233\143
\231\052
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING
CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "OISTE WISeKey Global Root GA CA"
```

```
#
# Issuer: CN=OISTE WISeKey Global Root GA CA,OU=OISTE Foundation Endorsed,OU=Copyright (c)
2005,O=WISeKey,C=CH
# Serial Number:41:3d:72:c7:f4:6b:1f:81:43:7d:f1:d2:28:54:df:9a
# Subject: CN=OISTE WISeKey Global Root GA CA,OU=OISTE Foundation Endorsed,OU=Copyright (c)
2005,O=WISeKey,C=CH
# Not Valid Before: Sun Dec 11 16:03:44 2005
# Not Valid After : Fri Dec 11 16:09:51 2037
# Fingerprint (SHA-256):
41:C9:23:86:6A:B4:CA:D6:B7:AD:57:80:81:58:2E:02:07:97:A6:CB:DF:4F:FF:78:CE:83:96:B3:89:37:D7:F5
# Fingerprint (SHA1): 59:22:A1:E1:5A:EA:16:35:21:F8:98:39:6A:46:46:B0:44:1B:0F:A9
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "OISTE WISeKey Global Root GA CA"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\212\061\013\060\011\006\003\125\004\006\023\002\103\110
\061\020\060\016\006\003\125\004\012\023\007\127\111\123\145\113
\145\171\061\033\060\031\006\003\125\004\013\023\022\103\157\160
\171\162\151\147\150\164\040\050\143\051\040\062\060\060\065\061
\042\060\040\006\003\125\004\013\023\031\117\111\123\124\105\040
\106\157\165\156\144\141\164\151\157\156\040\105\156\144\157\162
\163\145\144\061\050\060\046\006\003\125\004\003\023\037\117\111
\123\124\105\040\127\111\123\145\113\145\171\040\107\154\157\142
\141\154\040\122\157\157\164\040\107\101\040\103\101
END
CKA_ID
UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\201\212\061\013\060\011\006\003\125\004\006\023\002\103\110
\061\020\060\016\006\003\125\004\012\023\007\127\111\123\145\113
\145\171\061\033\060\031\006\003\125\004\013\023\022\103\157\160
\171\162\151\147\150\164\040\050\143\051\040\062\060\060\065\061
\042\060\040\006\003\125\004\013\023\031\117\111\123\124\105\040
\106\157\165\156\144\141\164\151\157\156\040\105\156\144\157\162
\163\145\144\061\050\060\046\006\003\125\004\003\023\037\117\111
\123\124\105\040\127\111\123\145\113\145\171\040\107\154\157\142
\141\154\040\122\157\157\164\040\107\101\040\103\101
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\020\101\075\162\307\364\153\037\201\103\175\361\322\050\124
\337\232
END
CKA_VALUE MULTILINE_OCTAL
\060\202\003\361\060\202\002\331\240\003\002\001\002\002\020\101
```

\075\162\307\364\153\037\201\103\175\361\322\050\124\337\232\060
\015\006\011\052\206\110\206\367\015\001\001\005\005\000\060\201
\212\061\013\060\011\006\003\125\004\006\023\002\103\110\061\020
\060\016\006\003\125\004\012\023\007\127\111\123\145\113\145\171
\061\033\060\031\006\003\125\004\013\023\022\103\157\160\171\162
\151\147\150\164\040\050\143\051\040\062\060\060\065\061\042\060
\040\006\003\125\004\013\023\031\117\111\123\124\105\040\106\157
\165\156\144\141\164\151\157\156\040\105\156\144\157\162\163\145
\144\061\050\060\046\006\003\125\004\003\023\037\117\111\123\124
\105\040\127\111\123\145\113\145\171\040\107\154\157\142\141\154
\040\122\157\157\164\040\107\101\040\103\101\060\036\027\015\060
\065\061\062\061\061\061\066\060\063\064\064\132\027\015\063\067
\061\062\061\061\061\066\060\071\065\061\132\060\201\212\061\013
\060\011\006\003\125\004\006\023\002\103\110\061\020\060\016\006
\003\125\004\012\023\007\127\111\123\145\113\145\171\061\033\060
\031\006\003\125\004\013\023\022\103\157\160\171\162\151\147\150
\164\040\050\143\051\040\062\060\060\065\061\042\060\040\006\003
\125\004\013\023\031\117\111\123\124\105\040\106\157\165\156\144
\141\164\151\157\156\040\105\156\144\157\162\163\145\144\061\050
\060\046\006\003\125\004\003\023\037\117\111\123\124\105\040\127
\111\123\145\113\145\171\040\107\154\157\142\141\154\040\122\157
\157\164\040\107\101\040\103\101\060\202\001\042\060\015\006\011
\052\206\110\206\367\015\001\001\001\005\000\003\202\001\017\000
\060\202\001\012\002\202\001\001\000\313\117\263\000\233\075\066
\335\371\321\111\152\153\020\111\037\354\330\053\262\306\370\062
\201\051\103\225\114\232\031\043\041\025\105\336\343\310\034\121
\125\133\256\223\350\067\377\053\153\351\324\352\276\052\335\250
\121\053\327\146\303\141\134\140\002\310\365\316\162\173\073\270
\362\116\145\010\232\315\244\152\031\301\001\273\163\246\327\366
\303\335\315\274\244\213\265\231\141\270\001\242\243\324\115\324
\005\075\221\255\370\264\010\161\144\257\160\361\034\153\176\366
\303\167\235\044\163\173\344\014\214\341\331\066\341\231\213\005
\231\013\355\105\061\011\312\302\000\333\367\162\240\226\252\225
\207\320\216\307\266\141\163\015\166\146\214\334\033\264\143\242
\237\177\223\023\060\361\241\047\333\331\377\054\125\210\221\240
\340\117\007\260\050\126\214\030\033\227\104\216\211\335\340\027
\156\347\052\357\217\071\012\061\204\202\330\100\024\111\056\172
\101\344\247\376\343\144\314\301\131\161\113\054\041\247\133\175
\340\035\321\056\201\233\303\330\150\367\275\226\033\254\160\261
\026\024\013\333\140\271\046\001\005\002\003\001\000\001\243\121
\060\117\060\013\006\003\125\035\017\004\004\003\002\001\206\060
\017\006\003\125\035\023\001\001\377\004\005\060\003\001\001\377
\060\035\006\003\125\035\016\004\026\004\024\263\003\176\256\066
\274\260\171\321\334\224\046\266\021\276\041\262\151\206\224\060
\020\006\011\053\006\001\004\001\202\067\025\001\004\003\002\001
\000\060\015\006\011\052\206\110\206\367\015\001\001\005\005\000
\003\202\001\001\000\113\241\377\013\207\156\263\371\301\103\261
\110\363\050\300\035\056\311\011\101\372\224\000\034\244\244\253

```
\111\117\217\075\036\357\115\157\275\274\244\366\362\046\060\311
\020\312\035\210\373\164\031\037\205\105\275\260\154\121\371\066
\176\333\365\114\062\072\101\117\133\107\317\350\013\055\266\304
\031\235\164\305\107\306\073\152\017\254\024\333\074\364\163\234
\251\005\337\000\334\164\170\372\370\065\140\131\002\023\030\174
\274\373\115\260\040\155\103\273\140\060\172\147\063\134\305\231
\321\370\055\071\122\163\373\214\252\227\045\134\162\331\010\036
\253\116\074\343\201\061\237\003\246\373\300\376\051\210\125\332
\204\325\120\003\266\342\204\243\246\066\252\021\072\001\341\030
\113\326\104\150\263\075\371\123\164\204\263\106\221\106\226\000
\267\200\054\266\341\343\020\342\333\242\347\050\217\001\226\142
\026\076\000\343\034\245\066\201\030\242\114\122\166\300\021\243
\156\346\035\272\343\132\276\066\123\305\076\165\217\206\151\051
\130\123\265\234\273\157\237\134\305\030\354\335\057\341\230\311
\374\276\337\012\015
```

END

CKA_NSS_Mozilla_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "OISTE WISEKey Global Root GA CA"

Issuer: CN=OISTE WISEKey Global Root GA CA,OU=OISTE Foundation Endorsed,OU=Copyright (c)
2005,O=WISEKey,C=CH

Serial Number:41:3d:72:c7:f4:6b:1f:81:43:7d:f1:d2:28:54:df:9a

Subject: CN=OISTE WISEKey Global Root GA CA,OU=OISTE Foundation Endorsed,OU=Copyright (c)
2005,O=WISEKey,C=CH

Not Valid Before: Sun Dec 11 16:03:44 2005

Not Valid After : Fri

Dec 11 16:09:51 2037

Fingerprint (SHA-256):

41:C9:23:86:6A:B4:CA:D6:B7:AD:57:80:81:58:2E:02:07:97:A6:CB:DF:4F:FF:78:CE:83:96:B3:89:37:D7:F5

Fingerprint (SHA1): 59:22:A1:E1:5A:EA:16:35:21:F8:98:39:6A:46:46:B0:44:1B:0F:A9

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "OISTE WISEKey Global Root GA CA"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\131\042\241\341\132\352\026\065\041\370\230\071\152\106\106\260
\104\033\017\251
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\274\154\121\063\247\351\323\146\143\124\025\162\033\041\222\223
```

END

CKA_ISSUER MULTILINE_OCTAL

```
\060\201\212\061\013\060\011\006\003\125\004\006\023\002\103\110
\061\020\060\016\006\003\125\004\012\023\007\127\111\123\145\113
```



```
\145\171\061\033\060\031\006\003\125\004\013\023\022\103\157\160
\171\162\151\147\150\164\040\050\143\051\040\062\060\060\065\061
\042\060\040\006\003\125\004\013\023\031\117\111\123\124\105\040
\106\157\165\156\144\141\164\151\157\156\040\105\156\144\157\162
\163\145\144\061\050\060\046\006\003\125\004\003\023\037\117\111
\123\124\105\040\127\111\123\145\113\145\171\040\107\154\157\142
\141\154\040\122\157\157\164\040\107\101\040\103\101
```

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

```
\002\020\101\075\162\307\364\153\037\201\103\175\361\322\050\124
\337\232
```

END

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#

Certificate "Certigna"

#

Issuer: CN=Certigna,O=Dhimyotis,C=FR

Serial Number:00:fe:dc:e3:01:0f:c9:48:ff

Subject: CN=Certigna,O=Dhimyotis,C=FR

Not Valid Before: Fri Jun 29 15:13:05 2007

Not Valid After : Tue Jun 29 15:13:05 2027

Fingerprint (SHA-256):

E3:B6:A2:DB:2E:D7:CE:48:84:2F:7A:C5:32:41:C7:B7:1D:54:14:4B:FB:40:C1:1F:3F:1D:0B:42:F5:EE:A1:2D

Fingerprint (SHA1): B1:2E:13:63:45:86:A4:6F:1A:B2:60:68:37:58:2D:C4:AC:FD:94:97

CKA_CLASS

CK_OBJECT_CLASS CKO_CERTIFICATE

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "Certigna"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL

```
\060\064\061\013\060\011\006\003\125\004\006\023\002\106\122\061
\022\060\020\006\003\125\004\012\014\011\104\150\151\155\171\157
\164\151\163\061\021\060\017\006\003\125\004\003\014\010\103\145
\162\164\151\147\156\141
```

END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

```
\060\064\061\013\060\011\006\003\125\004\006\023\002\106\122\061
\022\060\020\006\003\125\004\012\014\011\104\150\151\155\171\157
\164\151\163\061\021\060\017\006\003\125\004\003\014\010\103\145
\162\164\151\147\156\141
```

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\002\011\000\376\334\343\001\017\311\110\377

END

CKA_VALUE MULTILINE_OCTAL

\060\202\003\250\060\202\002\220\240\003\002\001\002\002\011\000
\376\334\343\001\017\311\110\377\060\015\006\011\052\206\110\206
\367\015\001\001\005\005\000\060\064\061\013\060\011\006\003\125
\004\006\023\002\106\122\061\022\060\020\006\003\125\004\012\014
\011\104\150\151\155\171\157\164\151\163\061\021\060\017\006\003
\125\004\003\014\010\103\145\162\164\151\147\156\141\060\036\027
\015\060\067\060\066\062\071\061\065\061\063\060\065\132\027\015
\062\067\060\066\062\071\061\065\061\063\060\065\132\060\064\061
\013\060\011\006\003\125\004\006\023\002\106\122\061\022\060\020
\006\003\125\004\012\014\011\104\150\151\155\171\157\164\151\163
\061\021\060\017\006\003\125\004\003\014\010\103\145\162\164\151
\147\156\141\060\202\001\042\060\015\006\011\052\206\110\206\367
\015\001\001\001\005\000\003\202\001\017\000\060\202\001\012\002
\202\001\001\000\310\150\361\311\326\326\263\064\165\046\202\036
\354\264\276\352\134\341\046\355\021\107\141\341\242\174\026\170
\100\041\344\140\236\132\310\143\341\304\261\226\222\377\030\155
\151\043\341\053\142\367\335\342\066\057\221\007\271\110\317\016
\354\171\266\054\347\064\113\160\010\045\243\074\207\033\031\362
\201\007\017\070\220\031\323\021\376\206\264\362\321\136\036\036
\226\315\200\154\316\073\061\223\266\362\240\320\251\225\022\175
\245\232\314\153\310\204\126\212\063\251\347\042\025\123\026\360
\314\027\354\127\137\351\242\012\230\011\336\343\137\234\157\334
\110\343\205\013\025\132\246\272\237\254\110\343\011\262\367\364
\062\336\136\064\276\034\170\135\102\133\316\016\042\217\115\220
\327\175\062\030\263\013\054\152\277\216\077\024\021\211\040\016
\167\024\265\075\224\010\207\367\045\036\325\262\140\000\354\157
\052\050\045\156\052\076\030\143\027\045\077\076\104\040\026\366
\046\310\045\256\005\112\264\347\143\054\363\214\026\123\176\134
\373\021\032\010\301\106\142\237\042\270\361\302\215\151\334\372
\072\130\006\337\002\003\001\000\001\243\201\274\060\201\271\060
\017\006\003\125\035\023\001\001\377\004\005\060\003\001\001\377
\060\035\006\003\125\035\016\004\026\004\024\032\355\376\101\071
\220\264\044\131\276\001\362\122\325\105\366\132\071\334\021\060
\144\006\003\125\035\043\004\135\060\133\200\024\032\355\376\101
\071\220\264\044\131\276\001\362\122\325\105\366\132\071\334\021
\241\070\244\066\060\064\061\013\060\011\006\003\125\004\006\023
\002\106\122\061\022\060\020\006\003\125\004\012\014\011\104\150
\151\155\171\157\164\151\163\061\021\060\017\006\003\125\004\003
\014\010\103\145\162\164\151\147\156\141\202\011\000\376\334\343
\001\017\311\110\377\060\016\006\003\125\035\017\001\001\377\004
\004\003\002\001\006\060\021\006\011\140\206\110\001\206\370\102
\001\001\004\004\003\002\000\007\060\015\006\011\052\206\110\206
\367\015\001\001\005\005\000\003\202\001\001\000\205\003\036\222

```
\161\366\102\257\341\243\141\236\353\363\300\017\362\245\324\332
\225\346\326\276\150\066\075\176\156\037\114\212\357\321\017\041
\155\136\245\122\143\316\022\370\357\052\332\157\353\067\376\023
\002\307\313\073\076\042\153\332\141\056\177\324\162\075\335\060
\341\036\114\100\031\214\017\327\234\321\203\060\173\230\131\334
\175\306\271\014\051\114\241\063\242\353\147\072\145\204\323\226
\342\355\166\105\160\217\265\053\336\371\043\326\111\156\074\024
\265\306\237\065\036\120\320\301\217\152\160\104\002\142\313\256
\035\150\101\247\252\127\350\123\252\007\322\006\366\325\024\006
\013\221\003\165\054\154\162\265\141\225\232\015\213\271\015\347
\365\337\124\315\336\346\330\326\011\010\227\143\345\301\056\260
\267\104\046\300\046\300\257\125\060\236\073\325\066\052\031\004
\364\134\036\377\317\054\267\377\320\375\207\100\021\325\021\043
\273\110\300\041\251\244\050\055\375\025\370\260\116\053\364\060
\133\041\374\021\221\064\276\101\357\173\235\227\165\377\227\225
\300\226\130\057\352\273\106\327\273\344\331\056
```

END

CKA_NSS_Mozilla_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "Certigna"

Issuer: CN=Certigna,O=Dhimyotis,C=FR

Serial Number:00:fe:dc:e3:01:0f:c9:48:ff

Subject: CN=Certigna,O=Dhimyotis,C=FR

Not Valid Before: Fri Jun 29 15:13:05 2007

#

Not Valid After : Tue Jun 29 15:13:05 2027

Fingerprint (SHA-256):

E3:B6:A2:DB:2E:D7:CE:48:84:2F:7A:C5:32:41:C7:B7:1D:54:14:4B:FB:40:C1:1F:3F:1D:0B:42:F5:EE:A1:2D

Fingerprint (SHA1): B1:2E:13:63:45:86:A4:6F:1A:B2:60:68:37:58:2D:C4:AC:FD:94:97

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "Certigna"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\261\056\023\143\105\206\244\157\032\262\140\150\067\130\055\304
\254\375\224\227
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\253\127\246\133\175\102\202\031\265\330\130\046\050\136\375\377
```

END

CKA_ISSUER MULTILINE_OCTAL

```
\060\064\061\013\060\011\006\003\125\004\006\023\002\106\122\061
\022\060\020\006\003\125\004\012\014\011\104\150\151\155\171\157
\164\151\163\061\021\060\017\006\003\125\004\003\014\010\103\145
```

```

\162\164\151\147\156\141
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\011\000\376\334\343\001\017\311\110\377
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION
CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "ePKI Root Certification Authority"
#
# Issuer: OU=ePKI Root Certification Authority,O="Chunghwa Telecom Co., Ltd.",C=TW
# Serial Number: 15:c8:bd:65:47:5c:af:b8:97:00:5e:e4:06:d2:bc:9d
# Subject: OU=ePKI Root Certification Authority,O="Chunghwa Telecom Co., Ltd.",C=TW
# Not Valid Before: Mon Dec 20 02:31:27 2004
# Not Valid After : Wed Dec 20 02:31:27 2034
# Fingerprint (SHA-256):
C0:A6:F4:DC:63:A2:4B:FD:CF:54:EF:2A:6A:08:2A:0A:72:DE:35:80:3E:2F:F5:FF:52:7A:E5:D8:72:06:DF:D5
# Fingerprint (SHA1): 67:65:0D:F1:7E:8E:7E:5B:82:40:A4:F4:56:4B:CF:E2:3D:69:C6:F0
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "ePKI Root Certification Authority"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT
MULTILINE_OCTAL
\060\136\061\013\060\011\006\003\125\004\006\023\002\124\127\061
\043\060\041\006\003\125\004\012\014\032\103\150\165\156\147\150
\167\141\040\124\145\154\145\143\157\155\040\103\157\056\054\040
\114\164\144\056\061\052\060\050\006\003\125\004\013\014\041\145
\120\113\111\040\122\157\157\164\040\103\145\162\164\151\146\151
\143\141\164\151\157\156\040\101\165\164\150\157\162\151\164\171
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\136\061\013\060\011\006\003\125\004\006\023\002\124\127\061
\043\060\041\006\003\125\004\012\014\032\103\150\165\156\147\150
\167\141\040\124\145\154\145\143\157\155\040\103\157\056\054\040
\114\164\144\056\061\052\060\050\006\003\125\004\013\014\041\145
\120\113\111\040\122\157\157\164\040\103\145\162\164\151\146\151
\143\141\164\151\157\156\040\101\165\164\150\157\162\151\164\171
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\025\310\275\145\107\134\257\270\227\000\136\344\006\322

```

\274\235

END

CKA_VALUE MULTILINE_OCTAL

\060\202\005\260\060\202\003\230\240\003\002\001\002\002\020\025
\310\275\145\107\134\257\270\227\000\136\344\006\322\274\235\060
\015\006\011\052\206\110\206\367\015\001\001\005\005\000\060\136
\061\013\060\011\006\003\125\004\006\023\002\124\127\061\043\060
\041\006\003\125\004\012\014\032\103\150\165\156\147\150\167\141
\040\124\145\154\145\143\157\155\040\103\157\056\054\040\114\164
\144\056\061\052\060\050\006\003\125\004\013\014\041\145\120\113
\111\040\122\157\157\164\040\103\145\162\164\151\146\151\143\141
\164\151\157\156\040\101\165\164\150\157\162\151\164\171\060\036
\027\015\060\064\061\062\062\060\060\062\063\061\062\067\132\027
\015\063\064\061\062\062\060\060\062\063\061\062\067\132\060\136
\061\013\060\011\006\003\125\004\006\023\002\124\127\061\043\060
\041\006\003\125\004\012\014\032\103\150\165\156\147\150\167\141
\040\124\145\154\145\143\157\155\040\103\157\056\054\040\114\164
\144\056\061\052\060\050\006\003\125\004\013\014\041\145\120\113
\111\040\122\157\157\164\040\103\145\162\164\151\146\151\143\141
\164\151\157\156\040\101\165\164\150\157\162\151\164\171\060\202
\002\042\060\015\006\011\052\206\110\206\367\015\001\001\001\005
\000\003\202\002\017\000\060\202\002\012\002\202\002\001\000\341
\045\017\356\215\333\210\063\165\147\315\255\037\175\072\116\155
\235\323\057\024\363\143\164\313\001\041\152\067\352\204\120\007
\113\046\133\011\103\154\041\236\152\310\325\003\365\140\151\217
\314\360\042\344\037\347\367\152\042\061\267\054\025\362\340\376
\000\152\103\377\207\145\306\265\032\301\247\114\155\042\160\041
\212\061\362\227\164\211\011\022\046\034\236\312\331\022\242\225
\074\332\351\147\277\010\240\144\343\326\102\267\105\357\227\364
\366\365\327\265\112\025\002\130\175\230\130\113\140\274\315\327
\015\232\023\063\123\321\141\371\172\325\327\170\263\232\063\367
\000\206\316\035\115\224\070\257\250\354\170\121\160\212\134\020
\203\121\041\367\021\075\064\206\136\345\110\315\227\201\202\065
\114\031\354\145\366\153\305\005\241\356\107\023\326\263\041\047
\224\020\012\331\044\073\272\276\104\023\106\060\077\227\074\330
\327\327\152\356\073\070\343\053\324\227\016\271\033\347\007\111
\177\067\052\371\167\170\317\124\355\133\106\235\243\200\016\221
\103\301\326\133\137\024\272\237\246\215\044\107\100\131\277\162
\070\262\066\154\067\377\231\321\135\016\131\012\253\151\367\300
\262\004\105\172\124\000\256\276\123\366\265\347\341\370\074\243
\061\322\251\376\041\122\144\305\246\147\360\165\007\006\224\024
\201\125\306\047\344\001\217\027\301\152\161\327\276\113\373\224
\130\175\176\021\063\261\102\367\142\154\030\326\317\011\150\076
\177\154\366\036\217\142\255\245\143\333\011\247\037\042\102\101
\036\157\231\212\076\327\371\077\100\172\171\260\245\001\222\322
\235\075\010\025\245\020\001\055\263\062\166\250\225\015\263\172
\232\373\007\020\170\021\157\341\217\307\272\017\045\032\164\052
\345\034\230\101\231\337\041\207\350\225\006\152\012\263\152\107

\166\145\366\072\317\217\142\027\031\173\012\050\315\032\322\203
\036\041\307\054\277\276\377\141\150\267\147\033\273\170\115\215
\316\147\345\344\301\216\267\043\146\342\235\220\165\064\230\251
\066\053\212\232\224\271\235\354\314\212\261\370\045\211\134\132
\266\057\214\037\155\171\044\247\122\150\303\204\065\342\146\215
\143\016\045\115\325\031\262\346\171\067\247\042\235\124\061\002
\003\001\000\001\243\152\060\150\060\035\006\003\125\035\016\004
\026\004\024\036\014\367\266\147\362\341\222\046\011\105\300\125
\071\056\167\077\102\112\242\060\014\006\003\125\035\023\004\005
\060\003\001\001\377\060\071\006\004\147\052\007\000\004\061\060
\057\060\055\002\001\000\060\011\006\005\053\016\003\002\032\005
\000\060\007\006\005\147\052\003\000\000\004\024\105\260\302\307
\012\126\174\356\133\170\014\225\371\030\123\301\246\034\330\020
\060\015\006\011\052\206\110\206\367\015\001\001\005\005\000\003
\202\002\001\000\011\263\203\123\131\001\076\225\111\271\361\201
\272\371\166\040\043\265\047\140\164\324\152\231\064\136\154\000
\123\331\237\362\246\261\044\007\104\152\052\306\245\216\170\022
\350\107\331\130\033\023\052\136\171\233\237\012\052\147\246\045
\077\006\151\126\163\303\212\146\110\373\051\201\127\164\006\312
\234\352\050\350\070\147\046\053\361\325\265\077\145\223\370\066
\135\216\215\215\100\040\207\031\352\357\047\300\075\264\071\017
\045\173\150\120\164\125\234\014\131\175\132\075\101\224\045\122
\010\340\107\054\025\061\031\325\277\007\125\306\273\022\265\227
\364\137\203\205\272\161\301\331\154\201\021\166\012\012\260\277
\202\227\367\352\075\372\372\354\055\251\050\224\073\126\335\322
\121\056\256\300\275\010\025\214\167\122\064\226\326\233\254\323
\035\216\141\017\065\173\233\256\071\151\013\142\140\100\040\066
\217\257\373\066\356\055\010\112\035\270\277\233\134\370\352\245
\033\240\163\246\330\370\156\340\063\004\137\150\252\047\207\355
\331\301\220\234\355\275\343\152\065\257\143\337\253\030\331\272
\346\351\112\352\120\212\017\141\223\036\342\055\031\342\060\224
\065\222\135\016\266\007\257\031\200\217\107\220\121\113\056\115
\335\205\342\322\012\122\012\027\232\374\032\260\120\002\345\001
\243\143\067\041\114\104\304\233\121\231\021\016\163\234\006\217
\124\056\247\050\136\104\071\207\126\055\067\275\205\104\224\341
\014\113\054\234\303\222\205\064\141\313\017\270\233\112\103\122
\376\064\072\175\270\351\051\334\166\251\310\060\370\024\161\200
\306\036\066\110\164\042\101\134\207\202\350\030\161\213\101\211
\104\347\176\130\133\250\270\215\023\351\247\154\303\107\355\263
\032\235\142\256\215\202\352\224\236\335\131\020\303\255\335\342
\115\343\061\325\307\354\350\362\260\376\222\036\026\012\032\374
\331\363\370\047\266\311\276\035\264\154\144\220\177\364\344\304
\133\327\067\256\102\016\335\244\032\157\174\210\124\305\026\156
\341\172\150\056\370\072\277\015\244\074\211\073\170\247\116\143
\203\004\041\010\147\215\362\202\111\320\133\375\261\315\017\203
\204\324\076\040\205\367\112\075\053\234\375\052\012\011\115\352
\201\370\021\234

END

```

CKA_NSS_MOZILLA_CA_POLICY
CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRICT_AFTER
CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

# Trust for "ePKI Root Certification Authority"
# Issuer: OU=ePKI Root Certification Authority,O="Chunghwa Telecom Co., Ltd.",C=TW
# Serial Number:15:c8:bd:65:47:5c:af:b8:97:00:5e:e4:06:d2:bc:9d
# Subject: OU=ePKI Root Certification Authority,O="Chunghwa Telecom Co., Ltd.",C=TW
# Not Valid Before: Mon Dec 20 02:31:27 2004
# Not Valid After : Wed Dec 20 02:31:27 2034
# Fingerprint (SHA-256):
C0:A6:F4:DC:63:A2:4B:FD:CF:54:EF:2A:6A:08:2A:0A:72:DE:35:80:3E:2F:F5:FF:52:7A:E5:D8:72:06:DF:D5
# Fingerprint (SHA1): 67:65:0D:F1:7E:8E:7E:5B:82:40:A4:F4:56:4B:CF:E2:3D:69:C6:F0
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "ePKI Root Certification Authority"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\147\145\015\361\176\216\176\133\202\100\244\364\126\113\317\342
\075\151\306\360
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\033\056\000\312\046\006\220\075\255\376\157\025\150\323\153\263
END
CKA_ISSUER
MULTILINE_OCTAL
\060\136\061\013\060\011\006\003\125\004\006\023\002\124\127\061
\043\060\041\006\003\125\004\012\014\032\103\150\165\156\147\150
\167\141\040\124\145\154\145\143\157\155\040\103\157\056\054\040
\114\164\144\056\061\052\060\050\006\003\125\004\013\014\041\145
\120\113\111\040\122\157\157\164\040\103\145\162\164\151\146\151
\143\141\164\151\157\156\040\101\165\164\150\157\162\151\164\171
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\025\310\275\145\107\134\257\270\227\000\136\344\006\322
\274\235
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "certSIGN ROOT CA"
#

```

```
# Issuer: OU=certSIGN ROOT CA,O=certSIGN,C=RO
# Serial Number:20:06:05:16:70:02
# Subject: OU=certSIGN ROOT CA,O=certSIGN,C=RO
# Not Valid Before: Tue Jul 04 17:20:04
2006
# Not Valid After : Fri Jul 04 17:20:04 2031
# Fingerprint (SHA-256):
EA:A9:62:C4:FA:4A:6B:AF:EB:E4:15:19:6D:35:1C:CD:88:8D:4F:53:F3:FA:8A:E6:D7:C4:66:A9:4E:60:42:BB
# Fingerprint (SHA1): FA:B7:EE:36:97:26:62:FB:2D:B0:2A:F6:BF:03:FD:E8:7C:4B:2F:9B
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "certSIGN ROOT CA"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\073\061\013\060\011\006\003\125\004\006\023\002\122\117\061
\021\060\017\006\003\125\004\012\023\010\143\145\162\164\123\111
\107\116\061\031\060\027\006\003\125\004\013\023\020\143\145\162
\164\123\111\107\116\040\122\117\117\124\040\103\101
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\073\061\013\060\011\006\003\125\004\006\023\002\122\117\061
\021\060\017\006\003\125\004\012\023\010\143\145\162\164\123\111
\107\116\061\031\060\027\006\003\125\004\013\023\020\143\145\162
\164\123\111\107\116\040\122\117\117\124\040\103\101
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\006\040\006\005\026\160\002
END
CKA_VALUE MULTILINE_OCTAL
\060\202\003\070\060\202\002\040\240\003\002\001\002\002\006\040
\006\005\026\160\002\060\015\006\011\052\206\110\206\367\015\001
\001\005\005\000\060\073\061\013\060\011\006\003\125\004\006\023
\002\122\117\061\021\060\017\006\003\125\004\012\023\010\143\145
\162\164\123\111\107\116\061\031\060\027\006\003\125\004\013\023
\020\143\145\162\164\123\111\107\116\040\122\117\117\124\040\103
\101\060\036\027\015\060\066\060\067\060\064\061\067\062\060\060
\064\132\027\015\063\061\060\067\060\064\061\067\062\060\060\064
\132\060\073\061\013\060\011\006\003\125\004\006\023\002\122\117
\061\021\060\017\006\003\125\004\012\023\010\143\145\162\164\123
\111\107\116\061\031\060\027\006\003\125\004\013\023\020\143\145
\162\164\123\111\107\116\040\122\117\117\124\040\103\101\060\202
\001\042\060\015\006\011\052\206\110\206\367\015\001\001\001\005
\000\003\202\001\017\000\060\202\001\012\002\202\001\001\000\267
\063\271\176\310\045\112\216\265\333\264\050\033\252\127\220\350
```


\321\042\323\144\272\323\223\350\324\254\206\141\100\152\140\127
\150\124\204\115\274\152\124\002\005\377\337\233\232\052\256\135
\007\217\112\303\050\177\357\373\053\372\171\361\307\255\360\020
\123\044\220\213\146\311\250\210\253\257\132\243\000\351\276\272
\106\356\133\163\173\054\027\202\201\136\142\054\241\002\145\263
\275\305\053\000\176\304\374\003\063\127\015\355\342\372\316\135
\105\326\070\315\065\266\262\301\320\234\201\112\252\344\262\001
\134\035\217\137\231\304\261\255\333\210\041\353\220\010\202\200
\363\060\243\103\346\220\202\256\125\050\111\355\133\327\251\020
\070\016\376\217\114\133\233\106\352\101\365\260\010\164\303\320
\210\063\266\174\327\164\337\334\204\321\103\016\165\071\241\045
\100\050\352\170\313\016\054\056\071\235\214\213\156\026\034\057
\046\202\020\342\343\145\224\012\004\300\136\367\135\133\370\020
\342\320\272\172\113\373\336\067\000\000\032\133\050\343\322\234
\163\076\062\207\230\241\311\121\057\327\336\254\063\263\117\002
\003\001\000\001\243\102\060\100\060\017\006\003\125\035\023\001
\001\377\004\005\060\003\001\001\377\060\016\006\003\125\035\017
\001\001\377\004\004\003\002\001\306\060\035\006\003\125\035\016
\004\026\004\024\340\214\233\333\045\111\263\361\174\206\326\262
\102\207\013\320\153\240\331\344\060\015\006\011\052\206\110\206
\367\015\001\001\005\005\000\003\202\001\001\000\076\322\034\211
\056\065\374\370\165\335\346\177\145\210\364\162\114\311\054\327
\062\116\363\335\031\171\107\275\216\073\133\223\017\120\111\044
\023\153\024\006\162\357\011\323\241\241\343\100\204\311\347\030
\062\164\074\110\156\017\237\113\324\367\036\323\223\206\144\124
\227\143\162\120\325\125\317\372\040\223\002\242\233\303\043\223
\116\026\125\166\240\160\171\155\315\041\037\317\057\055\274\031
\343\210\061\370\131\032\201\011\310\227\246\164\307\140\304\133
\314\127\216\262\165\375\033\002\011\333\131\157\162\223\151\367
\061\101\326\210\070\277\207\262\275\026\171\371\252\344\276\210
\045\335\141\047\043\034\265\061\007\004\066\264\032\220\275\240
\164\161\120\211\155\274\024\343\017\206\256\361\253\076\307\240
\011\314\243\110\321\340\333\144\347\222\265\317\257\162\103\160
\213\371\303\204\074\023\252\176\222\233\127\123\223\372\160\302
\221\016\061\371\233\147\135\351\226\070\136\137\263\163\116\210
\025\147\336\236\166\020\142\040\276\125\151\225\103\000\071\115
\366\356\260\132\116\111\104\124\130\137\102\203

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

Trust for "certSIGN ROOT CA"

Issuer: OU=certSIGN ROOT CA,O=certSIGN,C=RO

Serial Number:20:06:05:16:70:02

Subject: OU=certSIGN ROOT CA,O=certSIGN,C=RO

Not Valid Before: Tue Jul 04 17:20:04 2006

```

# Not Valid After : Fri Jul 04 17:20:04 2031
# Fingerprint (SHA-256):
EA:A9:62:C4:FA:4A:6B:AF:EB:E4:15:19:6D:35:1C:CD:88:8D:4F:53:F3:FA:8A:E6:D7:C4:66:A9:4E:60:42:BB
#
Fingerprint (SHA1): FA:B7:EE:36:97:26:62:FB:2D:B0:2A:F6:BF:03:FD:E8:7C:4B:2F:9B
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "certSIGN ROOT CA"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\372\267\356\066\227\046\142\373\055\260\052\366\277\003\375\350
\174\113\057\233
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\030\230\300\326\351\072\374\371\260\365\014\367\113\001\104\027
END
CKA_ISSUER MULTILINE_OCTAL
\060\073\061\013\060\011\006\003\125\004\006\023\002\122\117\061
\021\060\017\006\003\125\004\012\023\010\143\145\162\164\123\111
\107\116\061\031\060\027\006\003\125\004\013\023\020\143\145\162
\164\123\111\107\116\040\122\117\117\124\040\103\101
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\006\040\006\005\026\160\002
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED
CK_BBOOL CK_FALSE

#
# Certificate "NetLock Arany (Class Gold) Ftanúsítvány"
#
# Issuer: CN=NetLock Arany (Class Gold) F..tan..s..tv..ny,OU=Tan..s..tv..nykiad..k (Certification
Services),O=NetLock Kft.,L=Budapest,C=HU
# Serial Number:49:41:2c:e4:00:10
# Subject: CN=NetLock Arany (Class Gold) F..tan..s..tv..ny,OU=Tan..s..tv..nykiad..k (Certification
Services),O=NetLock Kft.,L=Budapest,C=HU
# Not Valid Before: Thu Dec 11 15:08:21 2008
# Not Valid After : Wed Dec 06 15:08:21 2028
# Fingerprint (SHA-256):
6C:61:DA:C3:A2:DE:F0:31:50:6B:E0:36:D2:A6:FE:40:19:94:FB:D1:3D:F9:C8:D4:66:59:92:74:C4:46:EC:98
# Fingerprint (SHA1): 06:08:3F:59:3F:15:A1:04:A0:69:A4:6B:A9:03:D0:06:B7:97:09:91
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE

```

```
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "NetLock Arany (Class Gold) Ftanúsítvány"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\247\061\013\060\011\006\003\125\004\006\023\002\110\125
\061\021\060\017\006\003\125\004\007\014\010\102\165\144\141\160
\145\163\164\061\025\060\023\006\003\125\004\012\014\014\116\145
\164\114\157\143\153\040\113\146\164\056\061\067\060\065\006\003
\125\004\013\014\056\124\141\156\303\272\163\303\255\164\166\303
\241\156\171\153\151\141\144\303\263\153\040\050\103\145\162\164
\151\146\151\143\141\164\151\157\156\040\123\145\162\166\151\143
\145\163\051\061\065\060\063\006\003\125\004\003\014\054\116\145
\164\114\157\143\153\040\101\162\141\156\171\040\050\103\154\141
\163\163\040\107\157\154\144\051\040\106\305\221\164\141\156\303
\272\163\303\255\164\166\303\241\156\171
END
CKA_ID
UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\201\247\061\013\060\011\006\003\125\004\006\023\002\110\125
\061\021\060\017\006\003\125\004\007\014\010\102\165\144\141\160
\145\163\164\061\025\060\023\006\003\125\004\012\014\014\116\145
\164\114\157\143\153\040\113\146\164\056\061\067\060\065\006\003
\125\004\013\014\056\124\141\156\303\272\163\303\255\164\166\303
\241\156\171\153\151\141\144\303\263\153\040\050\103\145\162\164
\151\146\151\143\141\164\151\157\156\040\123\145\162\166\151\143
\145\163\051\061\065\060\063\006\003\125\004\003\014\054\116\145
\164\114\157\143\153\040\101\162\141\156\171\040\050\103\154\141
\163\163\040\107\157\154\144\051\040\106\305\221\164\141\156\303
\272\163\303\255\164\166\303\241\156\171
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\006\111\101\054\344\000\020
END
CKA_VALUE MULTILINE_OCTAL
\060\202\004\025\060\202\002\375\240\003\002\001\002\002\006\111
\101\054\344\000\020\060\015\006\011\052\206\110\206\367\015\001
\001\013\005\000\060\201\247\061\013\060\011\006\003\125\004\006
\023\002\110\125\061\021\060\017\006\003\125\004\007\014\010\102
\165\144\141\160\145\163\164\061\025\060\023\006\003\125\004\012
\014\014\116\145\164\114\157\143\153\040\113\146\164\056\061\067
\060\065\006\003\125\004\013\014\056\124\141\156\303\272\163\303
\255\164\166\303\241\156\171\153\151\141\144\303\263\153\040\050
\103\145\162\164\151\146\151\143\141\164\151\157\156\040\123\145
\162\166\151\143\145\163\051\061\065\060\063\006\003\125\004\003
\014\054\116\145\164\114\157\143\153\040\101\162\141\156\171\040
\050\103\154\141\163\163\040\107\157\154\144\051\040\106\305\221
```

\164\141\156\303\272\163\303\255\164\166\303\241\156\171\060\036
\027\015\060\070\061\062\061\061\061\065\060\070\062\061\132\027
\015\062\070\061\062\060\066\061\065\060\070\062\061\132\060\201
\247\061\013\060\011\006\003\125\004\006\023\002\110\125\061\021
\060\017\006\003\125\004\007\014\010\102\165\144\141\160\145\163
\164\061\025\060\023\006\003\125\004\012\014\014\116\145\164\114
\157\143\153\040\113\146\164\056\061\067\060\065\006\003\125\004
\013\014\056\124\141\156\303\272\163\303\255\164\166\303\241\156
\171\153\151\141\144\303\263\153\040\050\103\145\162\164\151\146
\151\143\141\164\151\157\156\040\123\145\162\166\151\143\145\163
\051\061\065\060\063\006\003\125\004\003\014\054\116\145\164\114
\157\143\153\040\101\162\141\156\171\040\050\103\154\141\163\163
\040\107\157\154\144\051\040\106\305\221\164\141\156\303\272\163
\303\255\164\166\303\241\156\171\060\202\001\042\060\015\006\011
\052\206\110\206\367\015\001\001\001\005\000\003\202\001\017\000
\060\202\001\012\002\202\001\001\000\304\044\136\163\276\113\155
\024\303\241\364\343\227\220\156\322\060\105\036\074\356\147\331
\144\340\032\212\177\312\060\312\203\343\040\301\343\364\072\323
\224\137\032\174\133\155\277\060\117\204\047\366\237\037\111\274
\306\231\012\220\362\017\365\177\103\204\067\143\121\213\172\245
\160\374\172\130\315\216\233\355\303\106\154\204\160\135\332\363
\001\220\043\374\116\060\251\176\341\047\143\347\355\144\074\240
\270\311\063\143\376\026\220\377\260\270\375\327\250\300\300\224
\103\013\266\325\131\246\236\126\320\044\037\160\171\257\333\071
\124\015\145\165\331\025\101\224\001\257\136\354\366\215\361\377
\255\144\376\040\232\327\134\353\376\246\037\010\144\243\213\166
\125\255\036\073\050\140\056\207\045\350\252\257\037\306\144\106
\040\267\160\177\074\336\110\333\226\123\267\071\167\344\032\342
\307\026\204\166\227\133\057\273\031\025\205\370\151\205\365\231
\247\251\362\064\247\251\266\246\003\374\157\206\075\124\174\166
\004\233\153\371\100\135\000\064\307\056\231\165\235\345\210\003
\252\115\370\003\322\102\166\300\033\002\003\000\250\213\243\105
\060\103\060\022\006\003\125\035\023\001\001\377\004\010\060\006
\001\001\377\002\001\004\060\016\006\003\125\035\017\001\001\377
\004\004\003\002\001\006\060\035\006\003\125\035\016\004\026\004
\024\314\372\147\223\360\266\270\320\245\300\036\363\123\375\214
\123\337\203\327\226\060\015\006\011\052\206\110\206\367\015\001
\001\013\005\000\003\202\001\001\000\253\177\356\034\026\251\234
\074\121\000\240\300\021\010\005\247\231\346\157\001\210\124\141
\156\361\271\030\255\112\255\376\201\100\043\224\057\373\165\174
\057\050\113\142\044\201\202\013\365\141\361\034\156\270\141\070
\353\201\372\142\241\073\132\142\323\224\145\304\341\346\155\202
\370\057\045\160\262\041\046\301\162\121\037\214\054\303\204\220
\303\132\217\272\317\364\247\145\245\353\230\321\373\005\262\106
\165\025\043\152\157\205\143\060\200\360\325\236\037\051\034\302
\154\260\120\131\135\220\133\073\250\015\060\317\277\175\177\316
\361\235\203\275\311\106\156\040\246\371\141\121\272\041\057\173
\276\245\025\143\241\324\225\207\361\236\271\363\211\363\075\205

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\270\270\333\276\265\271\051\371\332\067\005\000\111\224\003\204
\104\347\277\103\061\317\165\213\045\321\364\246\144\365\222\366
\253\005\353\075\351\245\013\066\142\332\314\006\137\066\213\266
\136\061\270\052\373\136\366\161\337\104\046\236\304\346\015\221
\264\056\165\225\200\121\152\113\060\246\260\142\241\223\361\233
\330\316\304\143\165\077\131\107\261
```

END

CKA_NSS_Mozilla_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "NetLock Arany (Class Gold) Ftanúsítvány"

Issuer:

CN=NetLock Arany (Class Gold) F.tan..s..tv..ny,OU=Tan..s..tv..nykiad..k (Certification Services),O=NetLock Kft.,L=Budapest,C=HU

Serial Number:49:41:2c:e4:00:10

Subject: CN=NetLock Arany (Class Gold) F.tan..s..tv..ny,OU=Tan..s..tv..nykiad..k (Certification Services),O=NetLock Kft.,L=Budapest,C=HU

Not Valid Before: Thu Dec 11 15:08:21 2008

Not Valid After : Wed Dec 06 15:08:21 2028

Fingerprint (SHA-256):

6C:61:DA:C3:A2:DE:F0:31:50:6B:E0:36:D2:A6:FE:40:19:94:FB:D1:3D:F9:C8:D4:66:59:92:74:C4:46:EC:98

Fingerprint (SHA1): 06:08:3F:59:3F:15:A1:04:A0:69:A4:6B:A9:03:D0:06:B7:97:09:91

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "NetLock Arany (Class Gold) Ftanúsítvány"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\006\010\077\131\077\025\241\004\240\151\244\153\251\003\320\006
\267\227\011\221
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\305\241\267\377\163\335\326\327\064\062\030\337\374\074\255\210
```

END

CKA_ISSUER

MULTILINE_OCTAL

```
\060\201\247\061\013\060\011\006\003\125\004\006\023\002\110\125
\061\021\060\017\006\003\125\004\007\014\010\102\165\144\141\160
\145\163\164\061\025\060\023\006\003\125\004\012\014\014\116\145
\164\114\157\143\153\040\113\146\164\056\061\067\060\065\006\003
\125\004\013\014\056\124\141\156\303\272\163\303\255\164\166\303
\241\156\171\153\151\141\144\303\263\153\040\050\103\145\162\164
\151\146\151\143\141\164\151\157\156\040\123\145\162\166\151\143
\145\163\051\061\065\060\063\006\003\125\004\003\014\054\116\145
\164\114\157\143\153\040\101\162\141\156\171\040\050\103\154\141
\163\163\040\107\157\154\144\051\040\106\305\221\164\141\156\303
```

```

\272\163\303\255\164\166\303\241\156\171
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\006\111\101\054\344\000\020
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED
CK_BBOOL CK_FALSE

#
# Certificate "Hongkong Post Root CA 1"
#
# Issuer: CN=Hongkong Post Root CA 1,O=Hongkong Post,C=HK
# Serial Number: 1000 (0x3e8)
# Subject: CN=Hongkong Post Root CA 1,O=Hongkong Post,C=HK
# Not Valid Before: Thu May 15 05:13:14 2003
# Not Valid After : Mon May 15 04:52:29 2023
# Fingerprint (SHA-256):
F9:E6:7D:33:6C:51:00:2A:C0:54:C6:32:02:2D:66:DD:A2:E7:E3:FF:F1:0A:D0:61:ED:31:D8:BB:B4:10:CF:B2
# Fingerprint (SHA1): D6:DA:A8:20:8D:09:D2:15:4D:24:B5:2F:CB:34:6E:B2:58:B2:8A:58
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Hongkong Post Root CA 1"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\107\061\013\060\011\006\003\125\004\006\023\002\110\113\061
\026\060\024\006\003\125\004\012\023\015\110\157\156\147\153\157
\156\147\040\120\157\163\164\061\040\060\036\006\003\125\004\003
\023\027\110\157\156\147\153\157\156\147\040\120\157\163\164\040
\122\157\157\164\040\103\101\040\061
END
CKA_ID
UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\107\061\013\060\011\006\003\125\004\006\023\002\110\113\061
\026\060\024\006\003\125\004\012\023\015\110\157\156\147\153\157
\156\147\040\120\157\163\164\061\040\060\036\006\003\125\004\003
\023\027\110\157\156\147\153\157\156\147\040\120\157\163\164\040
\122\157\157\164\040\103\101\040\061
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\002\003\350
END
CKA_VALUE MULTILINE_OCTAL

```

\060\202\003\060\060\202\002\030\240\003\002\001\002\002\002\003
\350\060\015\006\011\052\206\110\206\367\015\001\001\005\005\000
\060\107\061\013\060\011\006\003\125\004\006\023\002\110\113\061
\026\060\024\006\003\125\004\012\023\015\110\157\156\147\153\157
\156\147\040\120\157\163\164\061\040\060\036\006\003\125\004\003
\023\027\110\157\156\147\153\157\156\147\040\120\157\163\164\040
\122\157\157\164\040\103\101\040\061\060\036\027\015\060\063\060
\065\061\065\060\065\061\063\061\064\132\027\015\062\063\060\065
\061\065\060\064\065\062\062\071\132\060\107\061\013\060\011\006
\003\125\004\006\023\002\110\113\061\026\060\024\006\003\125\004
\012\023\015\110\157\156\147\153\157\156\147\040\120\157\163\164
\061\040\060\036\006\003\125\004\003\023\027\110\157\156\147\153
\157\156\147\040\120\157\163\164\040\122\157\157\164\040\103\101
\040\061\060\202\001\042\060\015\006\011\052\206\110\206\367\015
\001\001\001\005\000\003\202\001\017\000\060\202\001\012\002\202
\001\001\000\254\377\070\266\351\146\002\111\343\242\264\341\220
\371\100\217\171\371\342\275\171\376\002\275\356\044\222\035\042
\366\332\205\162\151\376\327\077\011\324\335\221\265\002\234\320
\215\132\341\125\303\120\206\271\051\046\302\343\331\240\361\151
\003\050\040\200\105\042\055\126\247\073\124\225\126\042\131\037
\050\337\037\040\075\155\242\066\276\043\240\261\156\265\261\047
\077\071\123\011\352\253\152\350\164\262\302\145\134\216\277\174
\303\170\204\315\236\026\374\365\056\117\040\052\010\237\167\363
\305\036\304\232\122\146\036\110\136\343\020\006\217\042\230\341
\145\216\033\135\043\146\073\270\245\062\121\310\206\252\241\251
\236\177\166\224\302\246\154\267\101\360\325\310\006\070\346\324
\014\342\363\073\114\155\120\214\304\203\047\301\023\204\131\075
\236\165\164\266\330\002\136\072\220\172\300\102\066\162\354\152
\115\334\357\304\000\337\023\030\127\137\046\170\310\326\012\171
\167\277\367\257\267\166\271\245\013\204\027\135\020\352\157\341
\253\225\021\137\155\074\243\134\115\203\133\362\263\031\212\200
\213\013\207\002\003\001\000\001\243\046\060\044\060\022\006\003
\125\035\023\001\001\377\004\010\060\006\001\001\377\002\001\003
\060\016\006\003\125\035\017\001\001\377\004\004\003\002\001\306
\060\015\006\011\052\206\110\206\367\015\001\001\005\005\000\003
\202\001\001\000\016\106\325\074\256\342\207\331\136\201\213\002
\230\101\010\214\114\274\332\333\356\047\033\202\347\152\105\354
\026\213\117\205\240\363\262\160\275\132\226\272\312\156\155\356
\106\213\156\347\052\056\226\263\031\063\353\264\237\250\262\067
\356\230\250\227\266\056\266\147\047\324\246\111\375\034\223\145
\166\236\102\057\334\042\154\232\117\362\132\025\071\261\161\327
\053\121\350\155\034\230\300\331\052\364\241\202\173\325\311\101
\242\043\001\164\070\125\213\017\271\056\147\242\040\004\067\332
\234\013\323\027\041\340\217\227\171\064\157\204\110\002\040\063
\033\346\064\104\237\221\160\364\200\136\204\103\302\051\322\154
\022\024\344\141\215\254\020\220\236\204\120\273\360\226\157\105
\237\212\363\312\154\117\372\021\072\025\025\106\303\315\037\203
\133\055\101\022\355\120\147\101\023\075\041\253\224\212\252\116

```
\174\301\261\373\247\326\265\047\057\227\253\156\340\035\342\321
\034\054\037\104\342\374\276\221\241\234\373\326\051\123\163\206
\237\123\330\103\016\135\326\143\202\161\035\200\164\312\366\342
\002\153\331\132
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "Hongkong Post Root CA

1"

Issuer: CN=Hongkong Post Root CA 1,O=Hongkong Post,C=HK

Serial Number: 1000 (0x3e8)

Subject: CN=Hongkong Post Root CA 1,O=Hongkong Post,C=HK

Not Valid Before: Thu May 15 05:13:14 2003

Not Valid After : Mon May 15 04:52:29 2023

Fingerprint (SHA-256):

F9:E6:7D:33:6C:51:00:2A:C0:54:C6:32:02:2D:66:DD:A2:E7:E3:FF:F1:0A:D0:61:ED:31:D8:BB:B4:10:CF:B2

Fingerprint (SHA1): D6:DA:A8:20:8D:09:D2:15:4D:24:B5:2F:CB:34:6E:B2:58:B2:8A:58

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "Hongkong Post Root CA 1"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\326\332\250\040\215\011\322\025\115\044\265\057\313\064\156\262
\130\262\212\130
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\250\015\157\071\170\271\103\155\167\102\155\230\132\314\043\312
```

END

CKA_ISSUER MULTILINE_OCTAL

```
\060\107\061\013\060\011\006\003\125\004\006\023\002\110\113\061
\026\060\024\006\003\125\004\012\023\015\110\157\156\147\153\157
\156\147\040\120\157\163\164\061\040\060\036\006\003\125\004\003
\023\027\110\157\156\147\153\157\156\147\040\120\157\163\164\040
\122\157\157\164\040\103\101\040\061
```

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

```
\002\002\003\350
```

END

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE


```

#
# Certificate "SecureSign RootCA11"
#
# Issuer: CN=SecureSign RootCA11,O="Japan Certification Services, Inc.",C=JP
# Serial Number: 1 (0x1)
# Subject: CN=SecureSign RootCA11,O="Japan Certification Services, Inc.",C=JP
# Not Valid Before: Wed Apr 08 04:56:47 2009
# Not Valid After : Sun Apr 08 04:56:47 2029
# Fingerprint (SHA-256):
BF:0F:EE:FB:9E:3A:58:1A:D5:F9:E9:DB:75:89:98:57:43:D2:61:08:5C:4D:31:4F:6F:5D:72:59:AA:42:16:12
# Fingerprint (SHA1): 3B:C4:9F:48:F8:F3:73:A0:9C:1E:BD:F8:5B:B1:C3:65:C7:D8:11:B3
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN
CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "SecureSign RootCA11"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\130\061\013\060\011\006\003\125\004\006\023\002\112\120\061
\053\060\051\006\003\125\004\012\023\042\112\141\160\141\156\040
\103\145\162\164\151\146\151\143\141\164\151\157\156\040\123\145
\162\166\151\143\145\163\054\040\111\156\143\056\061\034\060\032
\006\003\125\004\003\023\023\123\145\143\165\162\145\123\151\147
\156\040\122\157\157\164\103\101\061\061
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\130\061\013\060\011\006\003\125\004\006\023\002\112\120\061
\053\060\051\006\003\125\004\012\023\042\112\141\160\141\156\040
\103\145\162\164\151\146\151\143\141\164\151\157\156\040\123\145
\162\166\151\143\145\163\054\040\111\156\143\056\061\034\060\032
\006\003\125\004\003\023\023\123\145\143\165\162\145\123\151\147
\156\040\122\157\157\164\103\101\061\061
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\001\001
END
CKA_VALUE MULTILINE_OCTAL
\060\202\003\155\060\202\002\125\240\003\002\001\002\002\001\001
\060\015\006\011\052\206\110\206\367\015\001\001\005\005\000\060
\130\061\013\060\011\006\003\125\004\006\023\002\112\120\061\053
\060\051\006\003\125\004\012\023\042\112\141\160\141\156\040\103
\145\162\164\151\146\151\143\141\164\151\157\156\040\123\145\162
\166\151\143\145\163\054\040\111\156\143\056\061\034\060\032\006
\003\125\004\003\023\023\123\145\143\165\162\145\123\151\147\156
\040\122\157\157\164\103\101\061\061\060\036\027\015\060\071\060

```

\064\060\070\060\064\065\066\064\067\132\027\015\062\071\060\064
\060\070\060\064\065\066\064\067\132\060\130\061\013\060\011\006
\003\125\004\006\023\002\112\120\061\053\060\051\006\003\125\004
\012\023\042\112\141\160\141\156\040\103\145\162\164\151\146\151
\143\141\164\151\157\156\040\123\145\162\166\151\143\145\163\054
\040\111\156\143\056\061\034\060\032\006\003\125\004\003\023\023
\123\145\143\165\162\145\123\151\147\156\040\122\157\157\164\103
\101\061\061\060\202\001\042\060\015\006\011\052\206\110\206\367
\015\001\001\001\005\000\003\202\001\017\000\060\202\001\012\002
\202\001\001\000\375\167\252\245\034\220\005\073\313\114\233\063
\213\132\024\105\244\347\220\026\321\337\127\322\041\020\244\027
\375\337\254\326\037\247\344\333\174\367\354\337\270\003\332\224
\130\375\135\162\174\214\077\137\001\147\164\025\226\343\002\074
\207\333\256\313\001\216\302\363\146\306\205\105\364\002\306\072
\265\142\262\257\372\234\277\244\346\324\200\060\230\363\015\266
\223\217\251\324\330\066\362\260\374\212\312\054\241\025\063\225
\061\332\300\033\362\356\142\231\206\143\077\277\335\223\052\203
\250\166\271\023\037\267\316\116\102\205\217\042\347\056\032\362
\225\011\262\005\265\104\116\167\241\040\275\251\362\116\012\175
\120\255\365\005\015\105\117\106\161\375\050\076\123\373\004\330
\055\327\145\035\112\033\372\317\073\260\061\232\065\156\310\213
\006\323\000\221\362\224\010\145\114\261\064\006\000\172\211\342
\360\307\003\131\317\325\326\350\247\062\263\346\230\100\206\305
\315\047\022\213\314\173\316\267\021\074\142\140\007\043\076\053
\100\156\224\200\011\155\266\263\157\167\157\065\010\120\373\002
\207\305\076\211\002\003\001\000\001\243\102\060\100\060\035\006
\003\125\035\016\004\026\004\024\133\370\115\117\262\245\206\324
\072\322\361\143\232\240\276\011\366\127\267\336\060\016\006\003
\125\035\017\001\001\377\004\004\003\002\001\006\060\017\006\003
\125\035\023\001\001\377\004\005\060\003\001\001\377\060\015\006
\011\052\206\110\206\367\015\001\001\005\005\000\003\202\001\001
\000\240\241\070\026\146\056\247\126\037\041\234\006\372\035\355
\271\042\305\070\046\330\116\117\354\243\177\171\336\106\041\241
\207\167\217\007\010\232\262\244\305\257\017\062\230\013\174\146
\051\266\233\175\045\122\111\103\253\114\056\053\156\172\160\257
\026\016\343\002\154\373\102\346\030\235\105\330\125\310\350\073
\335\347\341\364\056\013\034\064\134\154\130\112\373\214\210\120
\137\225\034\277\355\253\042\265\145\263\205\272\236\017\270\255
\345\172\033\212\120\072\035\275\015\274\173\124\120\013\271\102
\257\125\240\030\201\255\145\231\357\276\344\234\277\304\205\253
\101\262\124\157\334\045\315\355\170\342\216\014\215\011\111\335
\143\173\132\151\226\002\041\250\275\122\131\351\175\065\313\310
\122\312\177\201\376\331\153\323\367\021\355\045\337\370\347\371
\244\372\162\227\204\123\015\245\320\062\030\121\166\131\024\154
\017\353\354\137\200\214\165\103\203\303\205\230\377\114\236\055
\015\344\167\203\223\116\265\226\007\213\050\023\233\214\031\215
\101\047\111\100\356\336\346\043\104\071\334\241\042\326\272\003
\362

```

END
CKA_NSS_MOZILLA_CA_POLICY
CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

# Trust for "SecureSign RootCA11"
# Issuer: CN=SecureSign RootCA11,O="Japan Certification Services, Inc.",C=JP
# Serial Number: 1 (0x1)
# Subject: CN=SecureSign RootCA11,O="Japan Certification Services, Inc.",C=JP
#
Not Valid Before: Wed Apr 08 04:56:47 2009
# Not Valid After : Sun Apr 08 04:56:47 2029
# Fingerprint (SHA-256):
BF:0F:EE:FB:9E:3A:58:1A:D5:F9:E9:DB:75:89:98:57:43:D2:61:08:5C:4D:31:4F:6F:5D:72:59:AA:42:16:12
# Fingerprint (SHA1): 3B:C4:9F:48:F8:F3:73:A0:9C:1E:BD:F8:5B:B1:C3:65:C7:D8:11:B3
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "SecureSign RootCA11"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\073\304\237\110\370\363\163\240\234\036\275\370\133\261\303\145
\307\330\021\263
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\267\122\164\342\222\264\200\223\362\165\344\314\327\362\352\046
END
CKA_ISSUER MULTILINE_OCTAL
\060\130\061\013\060\011\006\003\125\004\006\023\002\112\120\061
\053\060\051\006\003\125\004\012\023\042\112\141\160\141\156\040
\103\145\162\164\151\146\151\143\141\164\151\157\156\040\123\145
\162\166\151\143\145\163\054\040\111\156\143\056\061\034\060\032
\006\003\125\004\003\023\023\123\145\143\165\162\145\123\151\147
\156\040\122\157\157\164\103\101\061\061
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\001\001
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "Microsec e-Szigno Root CA 2009"
#

```

```
# Issuer: E=info@e-szigno.hu,CN=Microsec e-Szigno Root CA 2009,O=Microsec Ltd.,L=Budapest,C=HU
# Serial Number:00:c2:7e:43:04:4e:47:3f:19
# Subject: E=info@e-szigno.hu,CN=Microsec e-Szigno Root CA 2009,O=Microsec Ltd.,L=Budapest,C=HU
# Not Valid Before: Tue Jun 16 11:30:18 2009
# Not Valid After : Sun Dec 30 11:30:18 2029
# Fingerprint (SHA-256):
3C:5F:81:FE:A5:FA:B8:2C:64:BF:A2:EA:EC:AF:CD:E8:E0:77:FC:86:20:A7:CA:E5:37:16:3D:F3:6E:DB:F3:78
# Fingerprint (SHA1): 89:DF:74:FE:5C:F4:0F:4A:80:F9:E3:37:7D:54:DA:91:E1:01:31:8E
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE
CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Microsec e-Szigno Root CA 2009"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\202\061\013\060\011\006\003\125\004\006\023\002\110\125
\061\021\060\017\006\003\125\004\007\014\010\102\165\144\141\160
\145\163\164\061\026\060\024\006\003\125\004\012\014\015\115\151
\143\162\157\163\145\143\040\114\164\144\056\061\047\060\045\006
\003\125\004\003\014\036\115\151\143\162\157\163\145\143\040\145
\055\123\172\151\147\156\157\040\122\157\157\164\040\103\101\040
\062\060\060\071\061\037\060\035\006\011\052\206\110\206\367\015
\001\011\001\026\020\151\156\146\157\100\145\055\163\172\151\147
\156\157\056\150\165
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\201\202\061\013\060\011\006\003\125\004\006\023\002\110\125
\061\021\060\017\006\003\125\004\007\014\010\102\165\144\141\160
\145\163\164\061\026\060\024\006\003\125\004\012\014\015\115\151
\143\162\157\163\145\143\040\114\164\144\056\061\047\060\045\006
\003\125\004\003\014\036\115\151\143\162\157\163\145\143\040\145
\055\123\172\151\147\156\157\040\122\157\157\164\040\103\101\040
\062\060\060\071\061\037\060\035\006\011\052\206\110\206\367\015
\001\011\001\026\020\151\156\146\157\100\145\055\163\172\151\147
\156\157\056\150\165
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\011\000\302\176\103\004\116\107\077\031
END
CKA_VALUE MULTILINE_OCTAL
\060\202\004\012\060\202\002\362\240\003\002\001\002\002\011\000
\302\176\103\004\116\107\077\031\060\015\006\011\052\206\110\206
\367\015\001\001\013\005\000\060\201\202\061\013\060\011\006\003
\125\004\006\023\002\110\125\061\021\060\017\006\003\125\004\007
\014\010\102\165\144\141\160\145\163\164\061\026\060\024\006\003
```

\125\004\012\014\015\115\151\143\162\157\163\145\143\040\114\164
\144\056\061\047\060\045\006\003\125\004\003\014\036\115\151\143
\162\157\163\145\143\040\145\055\123\172\151\147\156\157\040\122
\157\157\164\040\103\101\040\062\060\060\071\061\037\060\035\006
\011\052\206\110\206\367\015\001\011\001\026\020\151\156\146\157
\100\145\055\163\172\151\147\156\157\056\150\165\060\036\027\015
\060\071\060\066\061\066\061\061\063\060\061\070\132\027\015\062
\071\061\062\063\060\061\061\063\060\061\070\132\060\201\202\061
\013\060\011\006\003\125\004\006\023\002\110\125\061\021\060\017
\006\003\125\004\007\014\010\102\165\144\141\160\145\163\164\061
\026\060\024\006\003\125\004\012\014\015\115\151\143\162\157\163
\145\143\040\114\164\144\056\061\047\060\045\006\003\125\004\003
\014\036\115\151\143\162\157\163\145\143\040\145\055\123\172\151
\147\156\157\040\122\157\157\164\040\103\101\040\062\060\060\071
\061\037\060\035\006\011\052\206\110\206\367\015\001\011\001\026
\020\151\156\146\157\100\145\055\163\172\151\147\156\157\056\150
\165\060\202\001\042\060\015\006\011\052\206\110\206\367\015\001
\001\001\005\000\003\202\001\017\000\060\202\001\012\002\202\001
\001\000\351\370\217\363\143\255\332\206\330\247\340\102\373\317
\221\336\246\046\370\231\245\143\160\255\233\256\312\063\100\175
\155\226\156\241\016\104\356\341\023\235\224\102\122\232\275\165
\205\164\054\250\016\035\223\266\030\267\214\054\250\317\373\134
\161\271\332\354\376\350\176\217\344\057\035\262\250\165\207\330
\267\241\345\073\317\231\112\106\320\203\031\175\300\241\022\034
\225\155\112\364\330\307\245\115\063\056\205\071\100\165\176\024
\174\200\022\230\120\307\101\147\270\240\200\141\124\246\154\116
\037\340\235\016\007\351\311\272\063\347\376\300\125\050\054\002
\200\247\031\365\236\334\125\123\003\227\173\007\110\377\231\373
\067\212\044\304\131\314\120\020\143\216\252\251\032\260\204\032
\206\371\137\273\261\120\156\244\321\012\314\325\161\176\037\247
\033\174\365\123\156\042\137\313\053\346\324\174\135\256\326\302
\306\114\345\005\001\331\355\127\374\301\043\171\374\372\310\044
\203\225\363\265\152\121\001\320\167\326\351\022\241\371\032\203
\373\202\033\271\260\227\364\166\006\063\103\111\240\377\013\265
\372\265\002\003\001\000\001\243\201\200\060\176\060\017\006\003
\125\035\023\001\001\377\004\005\060\003\001\001\377\060\016\006
\003\125\035\017\001\001\377\004\004\003\002\001\006\060\035\006
\003\125\035\016\004\026\004\024\313\017\306\337\102\103\314\075
\313\265\110\043\241\032\172\246\052\273\064\150\060\037\006\003
\125\035\043\004\030\060\026\200\024\313\017\306\337\102\103\314
\075\313\265\110\043\241\032\172\246\052\273\064\150\060\033\006
\003\125\035\021\004\024\060\022\201\020\151\156\146\157\100\145
\055\163\172\151\147\156\157\056\150\165\060\015\006\011\052\206
\110\206\367\015\001\001\013\005\000\003\202\001\001\000\311\321
\016\136\056\325\314\263\174\076\313\374\075\377\015\050\225\223
\004\310\277\332\315\171\270\103\220\360\244\276\357\362\357\041
\230\274\324\324\135\006\366\356\102\354\060\154\240\252\251\312
\361\257\212\372\077\013\163\152\076\352\056\100\176\037\256\124

```
\141\171\353\056\010\067\327\043\363\214\237\276\035\261\341\244
\165\333\240\342\124\024\261\272\034\051\244\030\366\022\272\242
\024\024\343\061\065\310\100\377\267\340\005\166\127\301\034\131
\362\370\277\344\355\045\142\134\204\360\176\176\037\263\276\371
\267\041\021\314\003\001\126\160\247\020\222\036\033\064\201\036
\255\234\032\303\004\074\355\002\141\326\036\006\363\137\072\207
\362\053\361\105\207\345\075\254\321\307\127\204\275\153\256\334
\330\371\266\033\142\160\013\075\066\311\102\362\062\327\172\141
\346\322\333\075\317\310\251\311\233\334\333\130\104\327\157\070
\257\177\170\323\243\255\032\165\272\034\301\066\174\217\036\155
\034\303\165\106\256\065\005\246\366\134\075\041\356\126\360\311
\202\042\055\172\124\253\160\303\175\042\145\202\160\226
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "Microsec e-Szigno Root CA 2009"

Issuer: E=info@e-szigno.hu,CN=Microsec e-Szigno Root CA 2009,O=Microsec Ltd.,L=Budapest,C=HU

Serial Number:00:c2:7e:43:04:4e:47:3f:19

Subject: E=info@e-szigno.hu,CN=Microsec

e-Szigno Root CA 2009,O=Microsec Ltd.,L=Budapest,C=HU

Not Valid Before: Tue Jun 16 11:30:18 2009

Not Valid After : Sun Dec 30 11:30:18 2029

Fingerprint (SHA-256):

3C:5F:81:FE:A5:FA:B8:2C:64:BF:A2:EA:EC:AF:CD:E8:E0:77:FC:86:20:A7:CA:E5:37:16:3D:F3:6E:DB:F3:78

Fingerprint (SHA1): 89:DF:74:FE:5C:F4:0F:4A:80:F9:E3:37:7D:54:DA:91:E1:01:31:8E

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "Microsec e-Szigno Root CA 2009"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\211\337\164\376\134\364\017\112\200\371\343\067\175\124\332\221
\341\001\061\216
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\370\111\364\003\274\104\055\203\276\110\151\175\051\144\374\261
```

END

CKA_ISSUER MULTILINE_OCTAL

```
\060\201\202\061\013\060\011\006\003\125\004\006\023\002\110\125
\061\021\060\017\006\003\125\004\007\014\010\102\165\144\141\160
\145\163\164\061\026\060\024\006\003\125\004\012\014\015\115\151
\143\162\157\163\145\143\040\114\164\144\056\061\047\060\045\006
\003\125\004\003\014\036\115\151\143\162\157\163\145\143\040\145
\055\123\172\151\147\156\157\040\122\157\157\164\040\103\101\040
\062\060\060\071\061\037\060\035\006\011\052\206\110\206\367\015
```

\001\011\001\026\020\151\156\146\157\100\145\055\163\172\151\147
\156\157\056\150\165

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

\002\011\000\302\176\103\004\116\107\077\031

END

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#

Certificate "GlobalSign Root CA - R3"

#

Issuer: CN=GlobalSign,O=GlobalSign,OU=GlobalSign Root CA - R3

Serial Number:04:00:00:00:01:21:58:53:08:a2

Subject: CN=GlobalSign,O=GlobalSign,OU=GlobalSign Root CA - R3

Not Valid Before: Wed Mar 18 10:00:00 2009

Not Valid After : Sun Mar 18 10:00:00 2029

Fingerprint (SHA-256):

CB:B5:22:D7:B7:F1:27:AD:6A:01:13:86:5B:DF:1C:D4:10:2E:7D:07:59:AF:63:5A:7C:F4:72:0D:C9:63:C5:3B

#

Fingerprint (SHA1): D6:9B:56:11:48:F0:1C:77:C5:45:78:C1:09:26:DF:5B:85:69:76:AD

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "GlobalSign Root CA - R3"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL

\060\114\061\040\060\036\006\003\125\004\013\023\027\107\154\157
\142\141\154\123\151\147\156\040\122\157\157\164\040\103\101\040
\055\040\122\063\061\023\060\021\006\003\125\004\012\023\012\107
\154\157\142\141\154\123\151\147\156\061\023\060\021\006\003\125
\004\003\023\012\107\154\157\142\141\154\123\151\147\156

END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

\060\114\061\040\060\036\006\003\125\004\013\023\027\107\154\157
\142\141\154\123\151\147\156\040\122\157\157\164\040\103\101\040
\055\040\122\063\061\023\060\021\006\003\125\004\012\023\012\107
\154\157\142\141\154\123\151\147\156\061\023\060\021\006\003\125
\004\003\023\012\107\154\157\142\141\154\123\151\147\156

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

\002\013\004\000\000\000\000\001\041\130\123\010\242

END

CKA_VALUE MULTILINE_OCTAL

\060\202\003\137\060\202\002\107\240\003\002\001\002\002\013\004
\000\000\000\000\001\041\130\123\010\242\060\015\006\011\052\206
\110\206\367\015\001\001\013\005\000\060\114\061\040\060\036\006
\003\125\004\013\023\027\107\154\157\142\141\154\123\151\147\156
\040\122\157\157\164\040\103\101\040\055\040\122\063\061\023\060
\021\006\003\125\004\012\023\012\107\154\157\142\141\154\123\151
\147\156\061\023\060\021\006\003\125\004\003\023\012\107\154\157
\142\141\154\123\151\147\156\060\036\027\015\060\071\060\063\061
\070\061\060\060\060\060\060\132\027\015\062\071\060\063\061\070
\061\060\060\060\060\060\132\060\114\061\040\060\036\006\003\125
\004\013\023\027\107\154\157\142\141\154\123\151\147\156\040\122
\157\157\164\040\103\101\040\055\040\122\063\061\023\060\021\006
\003\125\004\012\023\012\107\154\157\142\141\154\123\151\147\156
\061\023\060\021\006\003\125\004\003\023\012\107\154\157\142\141
\154\123\151\147\156\060\202\001\042\060\015\006\011\052\206\110
\206\367\015\001\001\001\005\000\003\202\001\017\000\060\202\001
\012\002\202\001\001\000\314\045\166\220\171\006\170\042\026\365
\300\203\266\204\312\050\236\375\005\166\021\305\255\210\162\374
\106\002\103\307\262\212\235\004\137\044\313\056\113\341\140\202
\106\341\122\253\014\201\107\160\154\335\144\321\353\365\054\243
\017\202\075\014\053\256\227\327\266\024\206\020\171\273\073\023
\200\167\214\010\341\111\322\152\142\057\037\136\372\226\150\337
\211\047\225\070\237\006\327\076\311\313\046\131\015\163\336\260
\310\351\046\016\203\025\306\357\133\213\322\004\140\312\111\246
\050\366\151\073\366\313\310\050\221\345\235\212\141\127\067\254
\164\024\334\164\340\072\356\162\057\056\234\373\320\273\277\365
\075\000\341\006\063\350\202\053\256\123\246\072\026\163\214\335
\101\016\040\072\300\264\247\241\351\262\117\220\056\062\140\351
\127\313\271\004\222\150\150\345\070\046\140\165\262\237\167\377
\221\024\357\256\040\111\374\255\100\025\110\321\002\061\141\031
\136\270\227\357\255\167\267\144\232\172\277\137\301\023\357\233
\142\373\015\154\340\124\151\026\251\003\332\156\351\203\223\161
\166\306\151\205\202\027\002\003\001\000\001\243\102\060\100\060
\016\006\003\125\035\017\001\001\377\004\004\003\002\001\006\060
\017\006\003\125\035\023\001\001\377\004\005\060\003\001\001\377
\060\035\006\003\125\035\016\004\026\004\024\217\360\113\177\250
\056\105\044\256\115\120\372\143\232\213\336\342\335\033\274\060
\015\006\011\052\206\110\206\367\015\001\001\013\005\000\003\202
\001\001\000\113\100\333\300\120\252\376\310\014\357\367\226\124
\105\111\273\226\000\011\101\254\263\023\206\206\050\007\063\312
\153\346\164\271\272\000\055\256\244\012\323\365\361\361\017\212
\277\163\147\112\203\307\104\173\170\340\257\156\154\157\003\051
\216\063\071\105\303\216\344\271\127\154\252\374\022\226\354\123
\306\055\344\044\154\271\224\143\373\334\123\150\147\126\076\203
\270\317\065\041\303\311\150\376\316\332\302\123\252\314\220\212
\351\360\135\106\214\225\335\172\130\050\032\057\035\336\315\000


```
\067\101\217\355\104\155\327\123\050\227\176\363\147\004\036\025
\327\212\226\264\323\336\114\047\244\114\033\163\163\166\364\027
\231\302\037\172\016\343\055\010\255\012\034\054\377\074\253\125
\016\017\221\176\066\353\303\127\111\276\341\056\055\174\140\213
\303\101\121\023\043\235\316\367\062\153\224\001\250\231\347\054
\063\037\072\073\045\322\206\100\316\073\054\206\170\311\141\057
\024\272\356\333\125\157\337\204\356\005\011\115\275\050\330\162
\316\323\142\120\145\036\353\222\227\203\061\331\263\265\312\107
\130\077\137
```

END

CKA_NSS_Mozilla_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

Trust for "GlobalSign Root CA - R3"

Issuer: CN=GlobalSign,O=GlobalSign,OU=GlobalSign Root CA - R3

Serial Number:04:00:00:00:00:01:21:58:53:08:a2

#

Subject: CN=GlobalSign,O=GlobalSign,OU=GlobalSign Root CA - R3

Not Valid Before: Wed Mar 18 10:00:00 2009

Not Valid After : Sun Mar 18 10:00:00 2029

Fingerprint (SHA-256):

CB:B5:22:D7:B7:F1:27:AD:6A:01:13:86:5B:DF:1C:D4:10:2E:7D:07:59:AF:63:5A:7C:F4:72:0D:C9:63:C5:3B

Fingerprint (SHA1): D6:9B:56:11:48:F0:1C:77:C5:45:78:C1:09:26:DF:5B:85:69:76:AD

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "GlobalSign Root CA - R3"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\326\233\126\021\110\360\034\167\305\105\170\301\011\046\337\133
\205\151\166\255
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\305\337\270\111\312\005\023\125\356\055\272\032\303\076\260\050
```

END

CKA_ISSUER MULTILINE_OCTAL

```
\060\114\061\040\060\036\006\003\125\004\013\023\027\107\154\157
\142\141\154\123\151\147\156\040\122\157\157\164\040\103\101\040
\055\040\122\063\061\023\060\021\006\003\125\004\012\023\012\107
\154\157\142\141\154\123\151\147\156\061\023\060\021\006\003\125
\004\003\023\012\107\154\157\142\141\154\123\151\147\156
```

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

```
\002\013\004\000\000\000\000\001\041\130\123\010\242
```

END

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#

Certificate "Autoridad de Certificacion Firmaprofesional CIF A62634068"

#

Issuer: CN=Autoridad de Certificacion Firmaprofesional CIF A62634068,C=ES

Serial Number:53:ec:3b:ee:fb:b2:48:5f

Subject: CN=Autoridad de Certificacion Firmaprofesional CIF A62634068,C=ES

Not Valid Before: Wed May 20 08:38:15 2009

Not Valid After : Tue Dec 31 08:38:15 2030

Fingerprint (SHA-256):

04:04:80:28:BF:1F:28:64:D4:8F:9A:D4:D8:32:94:36:6A:82:88:56:55:3F:3B:14:30:3F:90:14:7F:5D:40:EF

Fingerprint (SHA1): AE:C5:FB:3F:C8:E1:BF:C4:E5:4F:03:07:5A:9A:E8:00:B7:F7:B6:FA

CKA_CLASS

CK_OBJECT_CLASS CKO_CERTIFICATE

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "Autoridad de Certificacion Firmaprofesional CIF A62634068"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL

\060\121\061\013\060\011\006\003\125\004\006\023\002\105\123\061
\102\060\100\006\003\125\004\003\014\071\101\165\164\157\162\151
\144\141\144\040\144\145\040\103\145\162\164\151\146\151\143\141
\143\151\157\156\040\106\151\162\155\141\160\162\157\146\145\163
\151\157\156\141\154\040\103\111\106\040\101\066\062\066\063\064
\060\066\070

END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

\060\121\061\013\060\011\006\003\125\004\006\023\002\105\123\061
\102\060\100\006\003\125\004\003\014\071\101\165\164\157\162\151
\144\141\144\040\144\145\040\103\145\162\164\151\146\151\143\141
\143\151\157\156\040\106\151\162\155\141\160\162\157\146\145\163
\151\157\156\141\154\040\103\111\106\040\101\066\062\066\063\064
\060\066\070

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

\002\010\123\354\073\356\373\262\110\137

END

CKA_VALUE MULTILINE_OCTAL

\060\202\006\024\060\202\003\374\240\003\002\001\002\002\010\123
\354\073\356\373\262\110\137\060\015\006\011\052\206\110\206\367
\015\001\001\005\005\000\060\121\061\013\060\011\006\003\125\004

\006\023\002\105\123\061\102\060\100\006\003\125\004\003\014\071
\101\165\164\157\162\151\144\141\144\040\144\145\040\103\145\162
\164\151\146\151\143\141\143\151\157\156\040\106\151\162\155\141
\160\162\157\146\145\163\151\157\156\141\154\040\103\111\106\040
\101\066\062\066\063\064\060\066\070\060\036\027\015\060\071\060
\065\062\060\060\070\063\070\061\065\132\027\015\063\060\061\062
\063\061\060\070\063\070\061\065\132\060\121\061\013\060\011\006
\003\125\004\006\023\002\105\123\061\102\060\100\006\003\125\004
\003\014\071\101\165\164\157\162\151\144\141\144\040\144\145\040
\103\145\162\164\151\146\151\143\141\143\151\157\156\040\106\151
\162\155\141\160\162\157\146\145\163\151\157\156\141\154\040\103
\111\106\040\101\066\062\066\063\064\060\066\070\060\202\002\042
\060\015\006\011\052\206\110\206\367\015\001\001\001\005\000\003
\202\002\017\000\060\202\002\012\002\202\002\001\000\312\226\153
\216\352\370\373\361\242\065\340\177\114\332\340\303\122\327\175
\266\020\310\002\136\263\103\052\304\117\152\262\312\034\135\050
\232\170\021\032\151\131\127\257\265\040\102\344\213\017\346\337
\133\246\003\222\057\365\021\344\142\327\062\161\070\331\004\014
\161\253\075\121\176\017\007\337\143\005\134\351\277\224\157\301
\051\202\300\264\332\121\260\301\074\273\255\067\112\134\312\361
\113\066\016\044\253\277\303\204\167\375\250\120\364\261\347\306
\057\322\055\131\215\172\012\116\226\151\122\002\252\066\230\354
\374\372\024\203\014\067\037\311\222\067\177\327\201\055\345\304
\271\340\076\064\376\147\364\076\146\321\323\364\100\317\136\142
\064\017\160\006\076\040\030\132\316\367\162\033\045\154\223\164
\024\223\243\163\261\016\252\207\020\043\131\137\040\005\031\107
\355\150\216\222\022\312\135\374\326\053\262\222\074\040\317\341
\137\257\040\276\240\166\177\166\345\354\032\206\141\063\076\347
\173\264\077\240\017\216\242\271\152\157\271\207\046\157\101\154
\210\246\120\375\152\143\013\365\223\026\033\031\217\262\355\233
\233\311\220\365\001\014\337\031\075\017\076\070\043\311\057\217
\014\321\002\376\033\125\326\116\320\215\074\257\117\244\363\376
\257\052\323\005\235\171\010\241\313\127\061\264\234\310\220\262
\147\364\030\026\223\072\374\107\330\321\170\226\061\037\272\053
\014\137\135\231\255\143\211\132\044\040\166\330\337\375\253\116
\246\042\252\235\136\346\047\212\175\150\051\243\347\212\270\332
\021\273\027\055\231\235\023\044\106\367\305\342\330\237\216\177
\307\217\164\155\132\262\350\162\365\254\356\044\020\255\057\024
\332\377\055\232\106\161\107\276\102\337\273\001\333\364\177\323
\050\217\061\131\133\323\311\002\246\264\122\312\156\227\373\103
\305\010\046\157\212\364\273\375\237\050\252\015\325\105\363\023
\072\035\330\300\170\217\101\147\074\036\224\144\256\173\013\305
\350\331\001\210\071\032\227\206\144\101\325\073\207\014\156\372
\017\306\275\110\024\277\071\115\324\236\101\266\217\226\035\143
\226\223\331\225\006\170\061\150\236\067\006\073\200\211\105\141
\071\043\307\033\104\243\025\345\034\370\222\060\273\002\003\001
\000\001\243\201\357\060\201\354\060\022\006\003\125\035\023\001
\001\377\004\010\060\006\001\001\377\002\001\001\060\016\006\003

\125\035\017\001\001\377\004\004\003\002\001\006\060\035\006\003
\125\035\016\004\026\004\024\145\315\353\253\065\036\000\076\176
\325\164\300\034\264\163\107\016\032\144\057\060\201\246\006\003
\125\035\040\004\201\236\060\201\233\060\201\230\006\004\125\035
\040\000\060\201\217\060\057\006\010\053\006\001\005\005\007\002
\001\026\043\150\164\164\160\072\057\057\167\167\167\056\146\151
\162\155\141\160\162\157\146\145\163\151\157\156\141\154\056\143
\157\155\057\143\160\163\060\134\006\010\053\006\001\005\005\007
\002\002\060\120\036\116\000\120\000\141\000\163\000\145\000\157
\000\040\000\144\000\145\000\040\000\154\000\141\000\040\000\102
\000\157\000\156\000\141\000\156\000\157\000\166\000\141\000\040
\000\064\000\067\000\040\000\102\000\141\000\162\000\143\000\145
\000\154\000\157\000\156\000\141\000\040\000\060\000\070\000\060
\000\061\000\067\060\015\006\011\052\206\110\206\367\015\001\001
\005\005\000\003\202\002\001\000\027\175\240\371\264\335\305\305
\353\255\113\044\265\241\002\253\335\245\210\112\262\017\125\113
\053\127\214\073\345\061\335\376\304\062\361\347\133\144\226\066
\062\030\354\245\062\167\327\343\104\266\300\021\052\200\271\075
\152\156\174\233\323\255\374\303\326\243\346\144\051\174\321\341
\070\036\202\053\377\047\145\257\373\026\025\304\056\161\204\345
\265\377\372\244\107\275\144\062\273\366\045\204\242\047\102\365
\040\260\302\023\020\021\315\020\025\272\102\220\052\322\104\341
\226\046\353\061\110\022\375\052\332\311\006\317\164\036\251\113
\325\207\050\371\171\064\222\076\056\104\350\366\217\117\217\065
\077\045\263\071\334\143\052\220\153\040\137\304\122\022\116\227
\054\052\254\235\227\336\110\362\243\146\333\302\322\203\225\246
\146\247\236\045\017\351\013\063\221\145\012\132\303\331\124\022
\335\257\303\116\016\037\046\136\015\334\263\215\354\325\201\160
\336\322\117\044\005\363\154\116\365\114\111\146\215\321\377\322
\013\045\101\110\376\121\204\306\102\257\200\004\317\320\176\144
\111\344\362\337\242\354\261\114\300\052\035\347\264\261\145\242
\304\274\361\230\364\252\160\007\143\264\270\332\073\114\372\100
\042\060\133\021\246\360\005\016\306\002\003\110\253\206\233\205
\335\333\335\352\242\166\200\163\175\365\234\004\304\105\215\347
\271\034\213\236\352\327\165\321\162\261\336\165\104\347\102\175
\342\127\153\175\334\231\274\075\203\050\352\200\223\215\305\114
\145\301\160\201\270\070\374\103\061\262\366\003\064\107\262\254
\373\042\006\313\036\335\027\107\034\137\146\271\323\032\242\332
\021\261\244\274\043\311\344\276\207\377\271\224\266\370\135\040
\112\324\137\347\275\150\173\145\362\025\036\322\072\251\055\351
\330\153\044\254\227\130\104\107\255\131\030\361\041\145\160\336
\316\064\140\250\100\361\363\074\244\303\050\043\214\376\047\063
\103\100\240\027\074\353\352\073\260\162\246\243\271\112\113\136
\026\110\364\262\274\310\214\222\305\235\237\254\162\066\274\064
\200\064\153\251\213\222\300\270\027\355\354\166\123\365\044\001
\214\263\042\350\113\174\125\306\235\372\243\024\273\145\205\156
\156\117\022\176\012\074\235\225

END

```

CKA_NSS_MOZILLA_CA_POLICY
CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

# Trust for "Autoridad de Certificacion Firmaprofesional CIF A62634068"
# Issuer: CN=Autoridad de Certificacion Firmaprofesional CIF A62634068,C=ES
# Serial Number:53:ec:3b:ee:fb:b2:48:5f
# Subject: CN=Autoridad de Certificacion Firmaprofesional CIF A62634068,C=ES
# Not Valid Before: Wed May 20 08:38:15 2009
# Not Valid After : Tue Dec 31 08:38:15 2030
# Fingerprint (SHA-256):
04:04:80:28:BF:1F:28:64:D4:8F:9A:D4:D8:32:94:36:6A:82:88:56:55:3F:3B:14:30:3F:90:14:7F:5D:40:EF
#
Fingerprint (SHA1): AE:C5:FB:3F:C8:E1:BF:C4:E5:4F:03:07:5A:9A:E8:00:B7:F7:B6:FA
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Autoridad de Certificacion Firmaprofesional CIF A62634068"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\256\305\373\077\310\341\277\304\345\117\003\007\132\232\350\000
\267\367\266\372
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\163\072\164\172\354\273\243\226\246\302\344\342\310\233\300\303
END
CKA_ISSUER MULTILINE_OCTAL
\060\121\061\013\060\011\006\003\125\004\006\023\002\105\123\061
\102\060\100\006\003\125\004\003\014\071\101\165\164\157\162\151
\144\141\144\040\144\145\040\103\145\162\164\151\146\151\143\141
\143\151\157\156\040\106\151\162\155\141\160\162\157\146\145\163
\151\157\156\141\154\040\103\111\106\040\101\066\062\066\063\064
\060\066\070
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\010\123\354\073\356\373\262\110\137
END
CKA_TRUST_SERVER_AUTH
CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "Izenpe.com"
#
# Issuer: CN=Izenpe.com,O=IZENPE S.A.,C=ES

```

```
# Serial Number:00:b0:b7:5a:16:48:5f:bf:e1:cb:f5:8b:d7:19:e6:7d
# Subject: CN=Izenpe.com,O=IZENPE S.A.,C=ES
# Not Valid Before: Thu Dec 13 13:08:28 2007
# Not Valid After : Sun Dec 13 08:27:25 2037
# Fingerprint (SHA-256):
25:30:CC:8E:98:32:15:02:BA:D9:6F:9B:1F:BA:1B:09:9E:2D:29:9E:0F:45:48:BB:91:4F:36:3B:C0:D4:53:1F
# Fingerprint (SHA1): 2F:78:3D:25:52:18:A7:4A:65:39:71:B5:2C:A2:9C:45:15:6F:E9:19
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Izenpe.com"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\070\061\013\060\011\006\003\125\004\006\023\002\105\123\061
\024\060\022\006\003\125\004\012\014\013\111\132\105\116\120\105
\040\123\056\101\056\061\023\060\021\006\003\125\004\003\014\012
\111\172\145\156\160\145\056\143\157\155
END
CKA_ID
UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\070\061\013\060\011\006\003\125\004\006\023\002\105\123\061
\024\060\022\006\003\125\004\012\014\013\111\132\105\116\120\105
\040\123\056\101\056\061\023\060\021\006\003\125\004\003\014\012
\111\172\145\156\160\145\056\143\157\155
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\000\260\267\132\026\110\137\277\341\313\365\213\327\031
\346\175
END
CKA_VALUE MULTILINE_OCTAL
\060\202\005\361\060\202\003\331\240\003\002\001\002\002\020\000
\260\267\132\026\110\137\277\341\313\365\213\327\031\346\175\060
\015\006\011\052\206\110\206\367\015\001\001\013\005\000\060\070
\061\013\060\011\006\003\125\004\006\023\002\105\123\061\024\060
\022\006\003\125\004\012\014\013\111\132\105\116\120\105\040\123
\056\101\056\061\023\060\021\006\003\125\004\003\014\012\111\172
\145\156\160\145\056\143\157\155\060\036\027\015\060\067\061\062
\061\063\061\063\060\070\062\070\132\027\015\063\067\061\062\061
\063\060\070\062\067\062\065\132\060\070\061\013\060\011\006\003
\125\004\006\023\002\105\123\061\024\060\022\006\003\125\004\012
\014\013\111\132\105\116\120\105\040\123\056\101\056\061\023\060
\021\006\003\125\004\003\014\012\111\172\145\156\160\145\056\143
\157\155\060\202\002\042\060\015\006\011\052\206\110\206\367\015
\001\001\001\005\000\003\202\002\017\000\060\202\002\012\002\202
\002\001\000\311\323\172\312\017\036\254\247\206\350\026\145\152
\261\302\033\105\062\161\225\331\376\020\133\314\257\347\245\171
```

\001\217\211\303\312\362\125\161\367\167\276\167\224\363\162\244
\054\104\330\236\222\233\024\072\241\347\044\220\012\012\126\216
\305\330\046\224\341\331\110\341\055\076\332\012\162\335\243\231
\025\332\201\242\207\364\173\156\046\167\211\130\255\326\353\014
\262\101\172\163\156\155\333\172\170\101\351\010\210\022\176\207
\056\146\021\143\154\124\373\074\235\162\300\274\056\377\302\267
\335\015\166\343\072\327\367\264\150\276\242\365\343\201\156\301
\106\157\135\215\340\115\306\124\125\211\032\063\061\012\261\127
\271\243\212\230\303\354\073\064\305\225\101\151\176\165\302\074
\040\305\141\272\121\107\240\040\220\223\241\220\113\363\116\174
\205\105\124\232\321\005\046\101\260\265\115\035\063\276\304\003
\310\045\174\301\160\333\073\364\011\055\124\047\110\254\057\341
\304\254\076\310\313\222\114\123\071\067\043\354\323\001\371\340
\011\104\115\115\144\300\341\015\132\207\042\274\255\033\243\376
\046\265\025\363\247\374\204\031\351\354\241\210\264\104\151\204
\203\363\211\321\164\006\251\314\013\326\302\336\047\205\120\046
\312\027\270\311\172\207\126\054\032\001\036\154\276\023\255\020
\254\265\044\365\070\221\241\326\113\332\361\273\322\336\107\265
\361\274\201\366\131\153\317\031\123\351\215\025\313\112\313\251
\157\104\345\033\101\317\341\206\247\312\320\152\237\274\114\215
\006\063\132\242\205\345\220\065\240\142\134\026\116\360\343\242
\372\003\032\264\054\161\263\130\054\336\173\013\333\032\017\353
\336\041\037\006\167\006\003\260\311\357\231\374\300\271\117\013
\206\050\376\322\271\352\343\332\245\303\107\151\022\340\333\360
\366\031\213\355\173\160\327\002\326\355\207\030\050\054\004\044
\114\167\344\110\212\032\306\073\232\324\017\312\372\165\322\001
\100\132\215\171\277\213\317\113\317\252\026\301\225\344\255\114
\212\076\027\221\324\261\142\345\202\345\200\004\244\003\176\215
\277\332\177\242\017\227\117\014\323\015\373\327\321\345\162\176
\034\310\167\377\133\232\017\267\256\005\106\345\361\250\026\354
\107\244\027\002\003\001\000\001\243\201\366\060\201\363\060\201
\260\006\003\125\035\021\004\201\250\060\201\245\201\017\151\156
\146\157\100\151\172\145\156\160\145\056\143\157\155\244\201\221
\060\201\216\061\107\060\105\006\003\125\004\012\014\076\111\132
\105\116\120\105\040\123\056\101\056\040\055\040\103\111\106\040
\101\060\061\063\063\067\062\066\060\055\122\115\145\162\143\056
\126\151\164\157\162\151\141\055\107\141\163\164\145\151\172\040
\124\061\060\065\065\040\106\066\062\040\123\070\061\103\060\101
\006\003\125\004\011\014\072\101\166\144\141\040\144\145\154\040
\115\145\144\151\164\145\162\162\141\156\145\157\040\105\164\157
\162\142\151\144\145\141\040\061\064\040\055\040\060\061\060\061
\060\040\126\151\164\157\162\151\141\055\107\141\163\164\145\151
\172\060\017\006\003\125\035\023\001\001\377\004\005\060\003\001
\001\377\060\016\006\003\125\035\017\001\001\377\004\004\003\002
\001\006\060\035\006\003\125\035\016\004\026\004\024\035\034\145
\016\250\362\045\173\264\221\317\344\261\261\346\275\125\164\154
\005\060\015\006\011\052\206\110\206\367\015\001\001\013\005\000
\003\202\002\001\000\170\246\014\026\112\237\114\210\072\300\313

\016\245\026\175\237\271\110\137\030\217\015\142\066\366\315\031
\153\254\253\325\366\221\175\256\161\363\077\263\016\170\205\233
\225\244\047\041\107\102\112\174\110\072\365\105\174\263\014\216
\121\170\254\225\023\336\306\375\175\270\032\220\114\253\222\003
\307\355\102\001\316\017\330\261\372\242\222\341\140\155\256\172
\153\011\252\306\051\356\150\111\147\060\200\044\172\061\026\071
\133\176\361\034\056\335\154\011\255\362\061\301\202\116\271\273
\371\276\277\052\205\077\300\100\243\072\131\374\131\113\074\050
\044\333\264\025\165\256\015\210\272\056\163\300\275\130\207\345
\102\362\353\136\356\036\060\042\231\313\067\321\304\041\154\201
\354\276\155\046\346\034\344\102\040\236\107\260\254\203\131\160
\054\065\326\257\066\064\264\315\073\370\062\250\357\343\170\211
\373\215\105\054\332\234\270\176\100\034\141\347\076\242\222\054
\113\362\315\372\230\266\051\377\363\362\173\251\037\056\240\223
\127\053\336\205\003\371\151\067\313\236\170\152\005\264\305\061
\170\211\354\172\247\205\341\271\173\074\336\276\036\171\204\316
\237\160\016\131\302\065\056\220\052\061\331\344\105\172\101\244
\056\023\233\064\016\146\173\111\253\144\227\320\106\303\171\235
\162\120\143\246\230\133\006\275\110\155\330\071\203\160\350\065
\360\005\321\252\274\343\333\310\002\352\174\375\202\332\302\133
\122\065\256\230\072\255\272\065\223\043\247\037\110\335\065\106
\230\262\020\150\344\245\061\302\012\130\056\031\201\020\311\120
\165\374\352\132\026\316\021\327\356\357\120\210\055\141\377\077
\102\163\005\224\103\325\216\074\116\001\072\031\245\037\106\116
\167\320\135\345\201\042\041\207\376\224\175\204\330\223\255\326
\150\103\110\262\333\353\163\044\347\221\177\124\244\266\200\076
\235\243\074\114\162\302\127\304\240\324\314\070\047\316\325\006
\236\242\110\331\351\237\316\202\160\066\223\232\073\337\226\041
\343\131\267\014\332\221\067\360\375\131\132\263\231\310\151\154
\103\046\001\065\143\140\125\211\003\072\165\330\272\112\331\124
\377\356\336\200\330\055\321\070\325\136\055\013\230\175\076\154
\333\374\046\210\307

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "Izenpe.com"

#

Issuer: CN=Izenpe.com,O=IZENPE S.A.,C=ES

Serial Number:00:b0:b7:5a:16:48:5f:bf:e1:cb:f5:8b:d7:19:e6:7d

Subject: CN=Izenpe.com,O=IZENPE S.A.,C=ES

Not Valid Before: Thu Dec 13 13:08:28 2007

Not Valid After : Sun Dec 13 08:27:25 2037

Fingerprint (SHA-256):

25:30:CC:8E:98:32:15:02:BA:D9:6F:9B:1F:BA:1B:09:9E:2D:29:9E:0F:45:48:BB:91:4F:36:3B:C0:D4:53:1F

Fingerprint (SHA1): 2F:78:3D:25:52:18:A7:4A:65:39:71:B5:2C:A2:9C:45:15:6F:E9:19


```

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Izenpe.com"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\057\170\075\045\122\030\247\112\145\071\161\265\054\242\234\105
\025\157\351\031
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\246\260\315\205\200\332\134\120\064\243\071\220\057\125\147\163
END
CKA_ISSUER MULTILINE_OCTAL
\060\070\061\013\060\011\006\003\125\004\006\023\002\105\123\061
\024\060\022\006\003\125\004\012\014\013\111\132\105\116\120\105
\040\123\056\101\056\061\023\060\021\006\003\125\004\003\014\012
\111\172\145\156\160\145\056\143\157\155
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\020\000\260\267\132\026\110\137\277\341\313\365\213\327\031
\346\175
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "Chambers of Commerce Root - 2008"
#
# Issuer: CN=Chambers of Commerce Root - 2008,O=AC Camerfirma S.A.,serialNumber=A82743287,L=Madrid
(see current address at www.camerfirma.com/address),C=EU
# Serial Number:00:a3:da:42:7e:a4:b1:ae:da
# Subject: CN=Chambers of Commerce Root - 2008,O=AC Camerfirma S.A.,serialNumber=A82743287,L=Madrid
(see current address at www.camerfirma.com/address),C=EU
# Not Valid Before: Fri Aug 01 12:29:50 2008
# Not Valid After : Sat Jul 31 12:29:50 2038
# Fingerprint (SHA-256):
06:3E:4A:FA:C4:91:DF:D3:32:F3:08:9B:85:42:E9:46:17:D8:93:D7:FE:94:4E:10:A7:93:7E:E2:9D:96:93:C0
#
Fingerprint (SHA1): 78:6A:74:AC:76:AB:14:7F:9C:6A:30:50:BA:9E:A8:7E:FE:9A:CE:3C
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Chambers of Commerce Root - 2008"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

```

CKA_SUBJECT MULTILINE_OCTAL

\060\201\256\061\013\060\011\006\003\125\004\006\023\002\105\125
\061\103\060\101\006\003\125\004\007\023\072\115\141\144\162\151
\144\040\050\163\145\145\040\143\165\162\162\145\156\164\040\141
\144\144\162\145\163\163\040\141\164\040\167\167\167\056\143\141
\155\145\162\146\151\162\155\141\056\143\157\155\057\141\144\144
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CKA_ID

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CKA_ISSUER MULTILINE_OCTAL

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CKA_SERIAL_NUMBER MULTILINE_OCTAL

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CKA_VALUE MULTILINE_OCTAL

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\312\201\326\227\361\224\203\351\355\260\261\153\022\151\036\254
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END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "Chambers of Commerce Root - 2008"

Issuer: CN=Chambers of Commerce Root - 2008,O=AC Camerfirma S.A.,serialNumber=A82743287,L=Madrid
(see current address at www.camerfirma.com/address),C=EU

Serial Number:00:a3:da:42:7e:a4:b1:ae:da

#

Subject: CN=Chambers of Commerce Root - 2008,O=AC Camerfirma S.A.,serialNumber=A82743287,L=Madrid
(see current address at www.camerfirma.com/address),C=EU

Not Valid Before: Fri Aug 01 12:29:50 2008

Not Valid After : Sat Jul 31 12:29:50 2038

Fingerprint (SHA-256):

06:3E:4A:FA:C4:91:DF:D3:32:F3:08:9B:85:42:E9:46:17:D8:93:D7:FE:94:4E:10:A7:93:7E:E2:9D:96:93:C0

Fingerprint (SHA1): 78:6A:74:AC:76:AB:14:7F:9C:6A:30:50:BA:9E:A8:7E:FE:9A:CE:3C

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "Chambers of Commerce Root - 2008"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

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END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

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END

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MULTILINE_OCTAL
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CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "Global Chambersign Root - 2008"
#
# Issuer: CN=Global Chambersign
Root - 2008,O=AC Camerfirma S.A.,serialNumber=A82743287,L=Madrid (see current address at
www.camerfirma.com/address),C=EU
# Serial Number:00:c9:cd:d3:e9:d5:7d:23:ce
# Subject: CN=Global Chambersign Root - 2008,O=AC Camerfirma S.A.,serialNumber=A82743287,L=Madrid
(see current address at www.camerfirma.com/address),C=EU
# Not Valid Before: Fri Aug 01 12:31:40 2008
# Not Valid After : Sat Jul 31 12:31:40 2038
# Fingerprint (SHA-256):
13:63:35:43:93:34:A7:69:80:16:A0:D3:24:DE:72:28:4E:07:9D:7B:52:20:BB:8F:BD:74:78:16:EE:BE:BA:CA
# Fingerprint (SHA1): 4A:BD:EE:EC:95:0D:35:9C:89:AE:C7:52:A1:2C:5B:29:F6:D6:AA:0C
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Global Chambersign Root - 2008"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
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UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

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END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

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CKA_VALUE MULTILINE_OCTAL

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\040\062\060\060\070\060\202\002\042\060\015\006\011\052\206\110
\206\367\015\001\001\001\005\000\003\202\002\017\000\060\202\002
\012\002\202\002\001\000\300\337\126\323\344\072\233\166\105\264

\023\333\377\301\266\031\213\067\101\030\225\122\107\353\027\235
\051\210\216\065\154\006\062\056\107\142\363\111\004\277\175\104
\066\261\161\314\275\132\011\163\325\331\205\104\377\221\127\045
\337\136\066\216\160\321\134\161\103\035\331\332\357\134\322\373
\033\275\072\265\313\255\243\314\104\247\015\256\041\025\077\271
\172\133\222\165\330\244\022\070\211\031\212\267\200\322\342\062
\157\126\234\221\326\210\020\013\263\164\144\222\164\140\363\366
\317\030\117\140\262\043\320\307\073\316\141\113\231\217\302\014
\320\100\262\230\334\015\250\116\243\271\012\256\140\240\255\105
\122\143\272\146\275\150\340\371\276\032\250\201\273\036\101\170
\165\323\301\376\000\125\260\207\124\350\047\220\065\035\114\063
\255\227\374\227\056\230\204\277\054\311\243\277\321\230\021\024
\355\143\370\312\230\210\130\027\231\355\105\003\227\176\074\206
\036\210\214\276\362\221\204\217\145\064\330\000\114\175\267\061
\027\132\051\172\012\030\044\060\243\067\265\172\251\001\175\046
\326\371\016\216\131\361\375\033\063\265\051\073\027\073\101\266
\041\335\324\300\075\245\237\237\037\103\120\311\273\274\154\172
\227\230\356\315\214\037\373\234\121\256\213\160\275\047\237\161
\300\153\254\175\220\146\350\327\135\072\015\260\325\302\215\325
\310\235\235\301\155\320\320\277\121\344\343\370\303\070\066\256
\326\247\165\346\257\204\103\135\223\222\014\152\007\336\073\035
\230\042\326\254\301\065\333\243\240\045\377\162\265\166\035\336
\155\351\054\146\054\122\204\320\105\222\316\034\345\345\063\035
\334\007\123\124\243\252\202\073\232\067\057\334\335\240\144\351
\346\335\275\256\374\144\205\035\074\247\311\006\336\204\377\153
\350\153\032\074\305\242\263\102\373\213\011\076\137\010\122\307
\142\304\324\005\161\277\304\144\344\370\241\203\350\076\022\233
\250\036\324\066\115\057\161\366\215\050\366\203\251\023\322\141
\301\221\273\110\300\064\217\101\214\113\114\333\151\022\377\120
\224\234\040\203\131\163\355\174\241\362\361\375\335\367\111\323
\103\130\240\126\143\312\075\075\345\065\126\131\351\016\312\040
\314\053\113\223\051\017\002\003\001\000\001\243\202\001\152\060
\202\001\146\060\022\006\003\125\035\023\001\001\377\004\010\060
\006\001\001\377\002\001\014\060\035\006\003\125\035\016\004\026
\004\024\271\011\312\234\036\333\323\154\072\153\256\355\124\361
\133\223\006\065\056\136\060\201\341\006\003\125\035\043\004\201
\331\060\201\326\200\024\271\011\312\234\036\333\323\154\072\153
\256\355\124\361\133\223\006\065\056\136\241\201\262\244\201\257
\060\201\254\061\013\060\011\006\003\125\004\006\023\002\105\125
\061\103\060\101\006\003\125\004\007\023\072\115\141\144\162\151
\144\040\050\163\145\145\040\143\165\162\162\145\156\164\040\141
\144\144\162\145\163\163\040\141\164\040\167\167\167\056\143\141
\155\145\162\146\151\162\155\141\056\143\157\155\057\141\144\144
\162\145\163\163\051\061\022\060\020\006\003\125\004\005\023\011
\101\070\062\067\064\063\062\070\067\061\033\060\031\006\003\125
\004\012\023\022\101\103\040\103\141\155\145\162\146\151\162\155
\141\040\123\056\101\056\061\047\060\045\006\003\125\004\003\023
\036\107\154\157\142\141\154\040\103\150\141\155\142\145\162\163

\151\147\156\040\122\157\157\164\040\055\040\062\060\060\070\202
\011\000\311\315\323\351\325\175\043\316\060\016\006\003\125\035
\017\001\001\377\004\004\003\002\001\006\060\075\006\003\125\035
\040\004\066\060\064\060\062\006\004\125\035\040\000\060\052\060
\050\006\010\053\006\001\005\005\007\002\001\026\034\150\164\164
\160\072\057\057\160\157\154\151\143\171\056\143\141\155\145\162
\146\151\162\155\141\056\143\157\155\060\015\006\011\052\206\110
\206\367\015\001\001\005\005\000\003\202\002\001\000\200\210\177
\160\336\222\050\331\005\224\106\377\220\127\251\361\057\337\032
\015\153\372\174\016\034\111\044\171\047\330\106\252\157\051\131
\122\210\160\022\352\335\075\365\233\123\124\157\341\140\242\250
\011\271\354\353\131\174\306\065\361\334\030\351\361\147\345\257
\272\105\340\011\336\312\104\017\302\027\016\167\221\105\172\063
\137\137\226\054\150\213\301\107\217\230\233\075\300\354\313\365
\325\202\222\204\065\321\276\066\070\126\162\061\133\107\055\252
\027\244\143\121\353\012\001\255\177\354\165\236\313\241\037\361
\177\022\261\271\344\144\177\147\326\043\052\364\270\071\135\230
\350\041\247\341\275\075\102\032\164\232\160\257\150\154\120\135
\111\317\377\373\016\135\346\054\107\327\201\072\131\000\265\163
\153\143\040\366\061\105\010\071\016\364\160\176\100\160\132\077
\320\153\102\251\164\075\050\057\002\155\165\162\225\011\215\110
\143\306\306\043\127\222\223\136\065\301\215\371\012\367\054\235
\142\034\366\255\174\335\246\061\036\266\261\307\176\205\046\372
\244\152\265\332\143\060\321\357\223\067\262\146\057\175\005\367
\347\267\113\230\224\065\300\331\072\051\301\235\262\120\063\035
\112\251\132\246\311\003\357\355\364\347\250\156\212\264\127\204
\353\244\077\320\356\252\252\207\133\143\350\223\342\153\250\324
\270\162\170\153\033\355\071\344\135\313\233\252\207\325\117\116
\000\376\331\152\237\074\061\017\050\002\001\175\230\350\247\260
\242\144\236\171\370\110\362\025\251\314\346\310\104\353\077\170
\231\362\173\161\076\074\361\230\247\305\030\022\077\346\273\050
\063\102\351\105\012\174\155\362\206\171\057\305\202\031\175\011
\211\174\262\124\166\210\256\336\301\363\314\341\156\333\061\326
\223\256\231\240\357\045\152\163\230\211\133\072\056\023\210\036
\277\300\222\224\064\033\343\047\267\213\036\157\102\377\347\351
\067\233\120\035\055\242\371\002\356\313\130\130\072\161\274\150
\343\252\301\257\034\050\037\242\334\043\145\077\201\352\256\231
\323\330\060\317\023\015\117\025\311\204\274\247\110\055\370\060
\043\167\330\106\113\171\155\366\214\355\072\177\140\021\170\364
\351\233\256\325\124\300\164\200\321\013\102\237\301

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "Global Chambersign Root - 2008"

Issuer: CN=Global Chambersign Root - 2008,O=AC Camerfirma S.A.,serialNumber=A82743287,L=Madrid (see

```
current address at www.camerfirma.com/address),C=EU
# Serial Number:00:c9:cd:d3:e9:d5:7d:23:ce
# Subject: CN=Global Chambersign Root - 2008,O=AC Camerfirma S.A.,serialNumber=A82743287,L=Madrid
(see current address at www.camerfirma.com/address),C=EU
# Not Valid Before: Fri Aug 01 12:31:40 2008
# Not Valid After : Sat Jul 31 12:31:40 2038
# Fingerprint (SHA-256):
13:63:35:43:93:34:A7:69:80:16:A0:D3:24:DE:72:28:4E:07:9D:7B:52:20:BB:8F:BD:74:78:16:EE:BE:BA:CA
# Fingerprint (SHA1): 4A:BD:EE:EC:95:0D:35:9C:89:AE:C7:52:A1:2C:5B:29:F6:D6:AA:0C
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL
CK_FALSE
CKA_LABEL UTF8 "Global Chambersign Root - 2008"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\112\275\356\354\225\015\065\234\211\256\307\122\241\054\133\051
\366\326\252\014
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\236\200\377\170\001\014\056\301\066\275\376\226\220\156\010\363
END
CKA_ISSUER MULTILINE_OCTAL
\060\201\254\061\013\060\011\006\003\125\004\006\023\002\105\125
\061\103\060\101\006\003\125\004\007\023\072\115\141\144\162\151
\144\040\050\163\145\145\040\143\165\162\162\145\156\164\040\141
\144\144\162\145\163\163\040\141\164\040\167\167\167\056\143\141
\155\145\162\146\151\162\155\141\056\143\157\155\057\141\144\144
\162\145\163\163\051\061\022\060\020\006\003\125\004\005\023\011
\101\070\062\067\064\063\062\070\067\061\033\060\031\006\003\125
\004\012\023\022\101\103\040\103\141\155\145\162\146\151\162\155
\141\040\123\056\101\056\061\047\060\045\006\003\125\004\003\023
\036\107\154\157\142\141\154\040\103\150\141\155\142\145\162\163
\151\147\156\040\122\157\157\164\040\055\040\062\060\060\070
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\011\000\311\315\323\351\325\175\043\316
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "Go Daddy Root Certificate Authority - G2"
#
# Issuer: CN=Go Daddy Root Certificate Authority - G2,O="GoDaddy.com, Inc.",L=Scottsdale,ST=Arizona,C=US
```

```
# Serial Number: 0 (0x0)
# Subject: CN=Go Daddy Root Certificate Authority - G2,O="GoDaddy.com,
Inc.",L=Scottsdale,ST=Arizona,C=US
# Not Valid Before: Tue Sep 01 00:00:00 2009
# Not Valid After : Thu Dec 31 23:59:59 2037
# Fingerprint (SHA-256):
45:14:0B:32:47:EB:9C:C8:C5:B4:F0:D7:B5:30:91:F7:32:92:08:9E:6E:5A:63:E2:74:9D:D3:AC:A9:19:8E:DA
# Fingerprint (SHA1): 47:BE:AB:C9:22:EA:E8:0E:78:78:34:62:A7:9F:45:C2:54:FD:E6:8B
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE
CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Go Daddy Root Certificate Authority - G2"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\203\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\020\060\016\006\003\125\004\010\023\007\101\162\151\172\157
\156\141\061\023\060\021\006\003\125\004\007\023\012\123\143\157
\164\164\163\144\141\154\145\061\032\060\030\006\003\125\004\012
\023\021\107\157\104\141\144\144\171\056\143\157\155\054\040\111
\156\143\056\061\061\060\057\006\003\125\004\003\023\050\107\157
\040\104\141\144\144\171\040\122\157\157\164\040\103\145\162\164
\151\146\151\143\141\164\145\040\101\165\164\150\157\162\151\164
\171\040\055\040\107\062
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\201\203\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\020\060\016\006\003\125\004\010\023\007\101\162\151\172\157
\156\141\061\023\060\021\006\003\125\004\007\023\012\123\143\157
\164\164\163\144\141\154\145\061\032\060\030\006\003\125\004\012
\023\021\107\157\104\141\144\144\171\056\143\157\155\054\040\111
\156\143\056\061\061\060\057\006\003\125\004\003\023\050\107\157
\040\104\141\144\144\171\040\122\157\157\164\040\103\145\162\164
\151\146\151\143\141\164\145\040\101\165\164\150\157\162\151\164
\171\040\055\040\107\062
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\001\000
END
CKA_VALUE MULTILINE_OCTAL
\060\202\003\305\060\202\002\255\240\003\002\001\002\002\001\000
\060\015\006\011\052\206\110\206\367\015\001\001\013\005\000\060
\201\203\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\020\060\016\006\003\125\004\010\023\007\101\162\151\172\157\156
\141\061\023\060\021\006\003\125\004\007\023\012\123\143\157\164
```

\164\163\144\141\154\145\061\032\060\030\006\003\125\004\012\023
\021\107\157\104\141\144\144\171\056\143\157\155\054\040\111\156
\143\056\061\061\060\057\006\003\125\004\003\023\050\107\157\040
\104\141\144\144\171\040\122\157\157\164\040\103\145\162\164\151
\146\151\143\141\164\145\040\101\165\164\150\157\162\151\164\171
\040\055\040\107\062\060\036\027\015\060\071\060\071\060\061\060
\060\060\060\060\060\132\027\015\063\067\061\062\063\061\062\063
\065\071\065\071\132\060\201\203\061\013\060\011\006\003\125\004
\006\023\002\125\123\061\020\060\016\006\003\125\004\010\023\007
\101\162\151\172\157\156\141\061\023\060\021\006\003\125\004\007
\023\012\123\143\157\164\164\163\144\141\154\145\061\032\060\030
\006\003\125\004\012\023\021\107\157\104\141\144\144\171\056\143
\157\155\054\040\111\156\143\056\061\061\060\057\006\003\125\004
\003\023\050\107\157\040\104\141\144\144\171\040\122\157\157\164
\040\103\145\162\164\151\146\151\143\141\164\145\040\101\165\164
\150\157\162\151\164\171\040\055\040\107\062\060\202\001\042\060
\015\006\011\052\206\110\206\367\015\001\001\001\005\000\003\202
\001\017\000\060\202\001\012\002\202\001\001\000\277\161\142\010
\361\372\131\064\367\033\311\030\243\367\200\111\130\351\042\203
\023\246\305\040\103\001\073\204\361\346\205\111\237\047\352\366
\204\033\116\240\264\333\160\230\307\062\001\261\005\076\007\116
\356\364\372\117\057\131\060\042\347\253\031\126\153\342\200\007
\374\363\026\165\200\071\121\173\345\371\065\266\164\116\251\215
\202\023\344\266\077\251\003\203\372\242\276\212\025\152\177\336
\013\303\266\031\024\005\312\352\303\250\004\224\073\106\174\062
\015\363\000\146\042\310\215\151\155\066\214\021\030\267\323\262
\034\140\264\070\372\002\214\316\323\335\106\007\336\012\076\353
\135\174\310\174\373\260\053\123\244\222\142\151\121\045\005\141
\032\104\201\214\054\251\103\226\043\337\254\072\201\232\016\051
\305\034\251\351\135\036\266\236\236\060\012\071\316\361\210\200
\373\113\135\314\062\354\205\142\103\045\064\002\126\047\001\221
\264\073\160\052\077\156\261\350\234\210\001\175\237\324\371\333
\123\155\140\235\277\054\347\130\253\270\137\106\374\316\304\033
\003\074\011\353\111\061\134\151\106\263\340\107\002\003\001\000
\001\243\102\060\100\060\017\006\003\125\035\023\001\001\377\004
\005\060\003\001\001\377\060\016\006\003\125\035\017\001\001\377
\004\004\003\002\001\006\060\035\006\003\125\035\016\004\026\004
\024\072\232\205\007\020\147\050\266\357\366\275\005\101\156\040
\301\224\332\017\336\060\015\006\011\052\206\110\206\367\015\001
\001\013\005\000\003\202\001\001\000\231\333\135\171\325\371\227
\131\147\003\141\361\176\073\006\061\165\055\241\040\216\117\145
\207\264\367\246\234\274\330\351\057\320\333\132\356\317\164\214
\163\264\070\102\332\005\173\370\002\165\270\375\245\261\327\256
\366\327\336\023\313\123\020\176\212\106\321\227\372\267\056\053
\021\253\220\260\047\200\371\350\237\132\351\067\237\253\344\337
\154\263\205\027\235\075\331\044\117\171\221\065\326\137\004\353
\200\203\253\232\002\055\265\020\364\330\220\307\004\163\100\355
\162\045\240\251\237\354\236\253\150\022\231\127\306\217\022\072

```
\011\244\275\104\375\006\025\067\301\233\344\062\243\355\070\350
\330\144\363\054\176\024\374\002\352\237\315\377\007\150\027\333
\042\220\070\055\172\215\321\124\361\151\343\137\063\312\172\075
\173\012\343\312\177\137\071\345\342\165\272\305\166\030\063\316
\054\360\057\114\255\367\261\347\316\117\250\304\233\112\124\006
\305\177\175\325\010\017\342\034\376\176\027\270\254\136\366\324
\026\262\103\011\014\115\366\247\153\264\231\204\145\312\172\210
\342\342\104\276\134\367\352\034\365
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "Go Daddy Root Certificate Authority - G2"

Issuer: CN=Go Daddy Root Certificate Authority - G2,O="GoDaddy.com, Inc.",L=Scottsdale,ST=Arizona,C=US

Serial Number: 0 (0x0)

Subject: CN=Go Daddy Root Certificate Authority - G2,O="GoDaddy.com, Inc.",L=Scottsdale,ST=Arizona,C=US

Not Valid Before: Tue Sep 01 00:00:00 2009

Not Valid After : Thu Dec 31 23:59:59 2037

Fingerprint (SHA-256):

45:14:0B:32:47:EB:9C:C8:C5:B4:F0:D7:B5:30:91:F7:32:92:08:9E:6E:5A:63:E2:74:9D:D3:AC:A9:19:8E:DA

Fingerprint

(SHA1): 47:BE:AB:C9:22:EA:E8:0E:78:78:34:62:A7:9F:45:C2:54:FD:E6:8B

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "Go Daddy Root Certificate Authority - G2"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\107\276\253\311\042\352\350\016\170\170\064\142\247\237\105\302
\124\375\346\213
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\200\072\274\042\301\346\373\215\233\073\047\112\062\033\232\001
```

END

CKA_ISSUER MULTILINE_OCTAL

```
\060\201\203\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\020\060\016\006\003\125\004\010\023\007\101\162\151\172\157
\156\141\061\023\060\021\006\003\125\004\007\023\012\123\143\157
\164\164\163\144\141\154\145\061\032\060\030\006\003\125\004\012
\023\021\107\157\104\141\144\144\171\056\143\157\155\054\040\111
\156\143\056\061\061\060\057\006\003\125\004\003\023\050\107\157
\040\104\141\144\144\171\040\122\157\157\164\040\103\145\162\164
\151\146\151\143\141\164\145\040\101\165\164\150\157\162\151\164
\171\040\055\040\107\062
```

END

```

CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\001\000
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "Starfield Root Certificate Authority - G2"
#
# Issuer: CN=Starfield Root Certificate Authority - G2,O="Starfield Technologies,
Inc.",L=Scottsdale,ST=Arizona,C=US
# Serial Number: 0 (0x0)
# Subject: CN=Starfield Root Certificate Authority - G2,O="Starfield Technologies,
Inc.",L=Scottsdale,ST=Arizona,C=US
# Not Valid Before: Tue Sep 01 00:00:00 2009
# Not Valid After : Thu Dec 31 23:59:59 2037
# Fingerprint (SHA-256):
2C:E1:CB:0B:F9:D2:F9:E1:02:99:3F:BE:21:51:52:C3:B2:DD:0C:AB:DE:1C:68:E5:31:9B:83:91:54:DB:B7:F5
# Fingerprint (SHA1): B5:1C:06:7C:EE:2B:0C:3D:F8:55:AB:2D:92:F4:FE:39:D4:E7:0F:0E
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN
CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Starfield Root Certificate Authority - G2"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\217\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\020\060\016\006\003\125\004\010\023\007\101\162\151\172\157
\156\141\061\023\060\021\006\003\125\004\007\023\012\123\143\157
\164\164\163\144\141\154\145\061\045\060\043\006\003\125\004\012
\023\034\123\164\141\162\146\151\145\154\144\040\124\145\143\150
\156\157\154\157\147\151\145\163\054\040\111\156\143\056\061\062
\060\060\006\003\125\004\003\023\051\123\164\141\162\146\151\145
\154\144\040\122\157\157\164\040\103\145\162\164\151\146\151\143
\141\164\145\040\101\165\164\150\157\162\151\164\171\040\055\040
\107\062
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\201\217\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\020\060\016\006\003\125\004\010\023\007\101\162\151\172\157
\156\141\061\023\060\021\006\003\125\004\007\023\012\123\143\157
\164\164\163\144\141\154\145\061\045\060\043\006\003\125\004\012
\023\034\123\164\141\162\146\151\145\154\144\040\124\145\143\150

```

\156\157\154\157\147\151\145\163\054\040\111\156\143\056\061\062
\060\060\006\003\125\004\003\023\051\123\164\141\162\146\151\145
\154\144\040\122\157\157\164\040\103\145\162\164\151\146\151\143
\141\164\145\040\101\165\164\150\157\162\151\164\171\040\055\040
\107\062

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

\002\001\000

END

CKA_VALUE MULTILINE_OCTAL

\060\202\003\335\060\202\002\305\240\003\002\001\002\002\001\000
\060\015\006\011\052\206\110\206\367\015\001\001\013\005\000\060
\201\217\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\020\060\016\006\003\125\004\010\023\007\101\162\151\172\157\156
\141\061\023\060\021\006\003\125\004\007\023\012\123\143\157\164
\164\163\144\141\154\145\061\045\060\043\006\003\125\004\012\023
\034\123\164\141\162\146\151\145\154\144\040\124\145\143\150\156
\157\154\157\147\151\145\163\054\040\111\156\143\056\061\062\060
\060\006\003\125\004\003\023\051\123\164\141\162\146\151\145\154
\144\040\122\157\157\164\040\103\145\162\164\151\146\151\143\141
\164\145\040\101\165\164\150\157\162\151\164\171\040\055\040\107
\062\060\036\027\015\060\071\060\071\060\061\060\060\060\060\060
\060\132\027\015\063\067\061\062\063\061\062\063\065\071\065\071
\132\060\201\217\061\013\060\011\006\003\125\004\006\023\002\125
\123\061\020\060\016\006\003\125\004\010\023\007\101\162\151\172
\157\156\141\061\023\060\021\006\003\125\004\007\023\012\123\143
\157\164\164\163\144\141\154\145\061\045\060\043\006\003\125\004
\012\023\034\123\164\141\162\146\151\145\154\144\040\124\145\143
\150\156\157\154\157\147\151\145\163\054\040\111\156\143\056\061
\062\060\060\006\003\125\004\003\023\051\123\164\141\162\146\151
\145\154\144\040\122\157\157\164\040\103\145\162\164\151\146\151
\143\141\164\145\040\101\165\164\150\157\162\151\164\171\040\055
\040\107\062\060\202\001\042\060\015\006\011\052\206\110\206\367
\015\001\001\001\005\000\003\202\001\017\000\060\202\001\012\002
\202\001\001\000\275\355\301\003\374\366\217\374\002\261\157\133
\237\110\331\235\171\342\242\267\003\141\126\030\303\107\266\327
\312\075\065\056\211\103\367\241\151\233\336\212\032\375\023\040
\234\264\111\167\062\051\126\375\271\354\214\335\042\372\162\334
\047\141\227\356\366\132\204\354\156\031\271\211\054\334\204\133
\325\164\373\153\137\305\211\245\020\122\211\106\125\364\270\165
\034\346\177\344\124\256\113\370\125\162\127\002\031\370\027\161
\131\353\036\050\007\164\305\235\110\276\154\264\364\244\260\363
\144\067\171\222\300\354\106\136\177\341\155\123\114\142\257\315
\037\013\143\273\072\235\373\374\171\000\230\141\164\317\046\202
\100\143\363\262\162\152\031\015\231\312\324\016\165\314\067\373
\213\211\301\131\361\142\177\137\263\137\145\060\370\247\267\115
\166\132\036\166\136\064\300\350\226\126\231\212\263\360\177\244

\315\275\334\062\061\174\221\317\340\137\021\370\153\252\111\134
\321\231\224\321\242\343\143\133\011\166\265\126\142\341\113\164
\035\226\324\046\324\010\004\131\320\230\016\016\346\336\374\303
\354\037\220\361\002\003\001\000\001\243\102\060\100\060\017\006
\003\125\035\023\001\001\377\004\005\060\003\001\001\377\060\016
\006\003\125\035\017\001\001\377\004\004\003\002\001\006\060\035
\006\003\125\035\016\004\026\004\024\174\014\062\037\247\331\060
\177\304\175\150\243\142\250\241\316\253\007\133\047\060\015\006
\011\052\206\110\206\367\015\001\001\013\005\000\003\202\001\001
\000\021\131\372\045\117\003\157\224\231\073\232\037\202\205\071
\324\166\005\224\136\341\050\223\155\142\135\011\302\240\250\324
\260\165\070\361\064\152\235\344\237\212\206\046\121\346\054\321
\306\055\156\225\040\112\222\001\354\270\212\147\173\061\342\147
\056\214\225\003\046\056\103\235\112\061\366\016\265\014\273\267
\342\067\177\042\272\000\243\016\173\122\373\153\273\073\304\323
\171\121\116\315\220\364\147\007\031\310\074\106\172\015\001\175
\305\130\347\155\346\205\060\027\232\044\304\020\340\004\367\340
\362\177\324\252\012\377\102\035\067\355\224\345\144\131\022\040
\167\070\323\062\076\070\201\165\226\163\372\150\217\261\313\316
\037\305\354\372\234\176\317\176\261\361\007\055\266\374\277\312
\244\277\320\227\005\112\274\352\030\050\002\220\275\124\170\011
\041\161\323\321\175\035\331\026\260\251\141\075\320\012\000\042
\374\307\173\313\011\144\105\013\073\100\201\367\175\174\062\365
\230\312\130\216\175\052\356\220\131\163\144\371\066\164\136\045
\241\365\146\005\056\177\071\025\251\052\373\120\213\216\205\151
\364

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "Starfield Root Certificate Authority - G2"

Issuer: CN=Starfield Root Certificate Authority - G2,O="Starfield Technologies,
Inc.",L=Scottsdale,ST=Arizona,C=US

Serial Number: 0 (0x0)

Subject: CN=Starfield Root Certificate Authority - G2,O="Starfield Technologies,
Inc.",L=Scottsdale,ST=Arizona,C=US

#

Not Valid Before: Tue Sep 01 00:00:00 2009

Not Valid After : Thu Dec 31 23:59:59 2037

Fingerprint (SHA-256):

2C:E1:CB:0B:F9:D2:F9:E1:02:99:3F:BE:21:51:52:C3:B2:DD:0C:AB:DE:1C:68:E5:31:9B:83:91:54:DB:B7:F5

Fingerprint (SHA1): B5:1C:06:7C:EE:2B:0C:3D:F8:55:AB:2D:92:F4:FE:39:D4:E7:0F:0E

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE


```

CKA_LABEL UTF8 "Starfield Root Certificate Authority - G2"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\265\034\006\174\356\053\014\075\370\125\253\055\222\364\376\071
\324\347\017\016
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\326\071\201\306\122\176\226\151\374\374\312\146\355\005\362\226
END
CKA_ISSUER MULTILINE_OCTAL
\060\201\217\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\020\060\016\006\003\125\004\010\023\007\101\162\151\172\157
\156\141\061\023\060\021\006\003\125\004\007\023\012\123\143\157
\164\164\163\144\141\154\145\061\045\060\043\006\003\125\004\012
\023\034\123\164\141\162\146\151\145\154\144\040\124\145\143\150
\156\157\154\157\147\151\145\163\054\040\111\156\143\056\061\062
\060\060\006\003\125\004\003\023\051\123\164\141\162\146\151\145
\154\144\040\122\157\157\164\040\103\145\162\164\151\146\151\143
\141\164\145\040\101\165\164\150\157\162\151\164\171\040\055\040
\107\062
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\001\000
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "Starfield Services Root Certificate Authority - G2"
#
# Issuer: CN=Starfield Services Root Certificate Authority - G2,O="Starfield Technologies,
Inc.",L=Scottsdale,ST=Arizona,C=US
# Serial Number: 0 (0x0)
# Subject: CN=Starfield Services Root Certificate Authority - G2,O="Starfield Technologies,
Inc.",L=Scottsdale,ST=Arizona,C=US
# Not Valid Before:
Tue Sep 01 00:00:00 2009
# Not Valid After : Thu Dec 31 23:59:59 2037
# Fingerprint (SHA-256):
56:8D:69:05:A2:C8:87:08:A4:B3:02:51:90:ED:CF:ED:B1:97:4A:60:6A:13:C6:E5:29:0F:CB:2A:E6:3E:DA:B5
# Fingerprint (SHA1): 92:5A:8F:8D:2C:6D:04:E0:66:5F:59:6A:FF:22:D8:63:E8:25:6F:3F
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Starfield Services Root Certificate Authority - G2"

```

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL

\060\201\230\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\020\060\016\006\003\125\004\010\023\007\101\162\151\172\157
\156\141\061\023\060\021\006\003\125\004\007\023\012\123\143\157
\164\164\163\144\141\154\145\061\045\060\043\006\003\125\004\012
\023\034\123\164\141\162\146\151\145\154\144\040\124\145\143\150
\156\157\154\157\147\151\145\163\054\040\111\156\143\056\061\073
\060\071\006\003\125\004\003\023\062\123\164\141\162\146\151\145
\154\144\040\123\145\162\166\151\143\145\163\040\122\157\157\164
\040\103\145\162\164\151\146\151\143\141\164\145\040\101\165\164
\150\157\162\151\164\171\040\055\040\107\062

END

CKA_ID

UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

\060\201\230\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\020\060\016\006\003\125\004\010\023\007\101\162\151\172\157
\156\141\061\023\060\021\006\003\125\004\007\023\012\123\143\157
\164\164\163\144\141\154\145\061\045\060\043\006\003\125\004\012
\023\034\123\164\141\162\146\151\145\154\144\040\124\145\143\150
\156\157\154\157\147\151\145\163\054\040\111\156\143\056\061\073
\060\071\006\003\125\004\003\023\062\123\164\141\162\146\151\145
\154\144\040\123\145\162\166\151\143\145\163\040\122\157\157\164
\040\103\145\162\164\151\146\151\143\141\164\145\040\101\165\164
\150\157\162\151\164\171\040\055\040\107\062

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\002\001\000

END

CKA_VALUE MULTILINE_OCTAL

\060\202\003\357\060\202\002\327\240\003\002\001\002\002\001\000
\060\015\006\011\052\206\110\206\367\015\001\001\013\005\000\060
\201\230\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\020\060\016\006\003\125\004\010\023\007\101\162\151\172\157\156
\141\061\023\060\021\006\003\125\004\007\023\012\123\143\157\164
\164\163\144\141\154\145\061\045\060\043\006\003\125\004\012\023
\034\123\164\141\162\146\151\145\154\144\040\124\145\143\150\156
\157\154\157\147\151\145\163\054\040\111\156\143\056\061\073\060
\071\006\003\125\004\003\023\062\123\164\141\162\146\151\145\154
\144\040\123\145\162\166\151\143\145\163\040\122\157\157\164\040
\103\145\162\164\151\146\151\143\141\164\145\040\101\165\164\150
\157\162\151\164\171\040\055\040\107\062\060\036\027\015\060\071
\060\071\060\061\060\060\060\060\060\060\132\027\015\063\067\061
\062\063\061\062\063\065\071\065\071\132\060\201\230\061\013\060
\011\006\003\125\004\006\023\002\125\123\061\020\060\016\006\003
\125\004\010\023\007\101\162\151\172\157\156\141\061\023\060\021
\006\003\125\004\007\023\012\123\143\157\164\164\163\144\141\154

\145\061\045\060\043\006\003\125\004\012\023\034\123\164\141\162
\146\151\145\154\144\040\124\145\143\150\156\157\154\157\147\151
\145\163\054\040\111\156\143\056\061\073\060\071\006\003\125\004
\003\023\062\123\164\141\162\146\151\145\154\144\040\123\145\162
\166\151\143\145\163\040\122\157\157\164\040\103\145\162\164\151
\146\151\143\141\164\145\040\101\165\164\150\157\162\151\164\171
\040\055\040\107\062\060\202\001\042\060\015\006\011\052\206\110
\206\367\015\001\001\001\005\000\003\202\001\017\000\060\202\001
\012\002\202\001\001\000\325\014\072\304\052\371\116\342\365\276
\031\227\137\216\210\123\261\037\077\313\317\237\040\023\155\051
\072\310\017\175\074\367\153\166\070\143\331\066\140\250\233\136
\134\000\200\262\057\131\177\366\207\371\045\103\206\347\151\033
\122\232\220\341\161\343\330\055\015\116\157\366\310\111\331\266
\363\032\126\256\053\266\164\024\353\317\373\046\343\032\272\035
\226\056\152\073\130\224\211\107\126\377\045\240\223\160\123\203
\332\204\164\024\303\147\236\004\150\072\337\216\100\132\035\112
\116\317\103\221\073\347\126\326\000\160\313\122\356\173\175\256
\072\347\274\061\371\105\366\302\140\317\023\131\002\053\200\314
\064\107\337\271\336\220\145\155\002\317\054\221\246\246\347\336
\205\030\111\174\146\116\243\072\155\251\265\356\064\056\272\015
\003\270\063\337\107\353\261\153\215\045\331\233\316\201\321\105
\106\062\226\160\207\336\002\016\111\103\205\266\154\163\273\144
\352\141\101\254\311\324\124\337\207\057\307\042\262\046\314\237
\131\124\150\237\374\276\052\057\304\125\034\165\100\140\027\205
\002\125\071\213\177\005\002\003\001\000\001\243\102\060\100\060
\017\006\003\125\035\023\001\001\377\004\005\060\003\001\001\377
\060\016\006\003\125\035\017\001\001\377\004\004\003\002\001\006
\060\035\006\003\125\035\016\004\026\004\024\234\137\000\337\252
\001\327\060\053\070\210\242\270\155\112\234\362\021\221\203\060
\015\006\011\052\206\110\206\367\015\001\001\013\005\000\003\202
\001\001\000\113\066\246\204\167\151\335\073\031\237\147\043\010
\157\016\141\311\375\204\334\137\330\066\201\315\330\033\101\055
\237\140\335\307\032\150\331\321\156\206\341\210\043\317\023\336
\103\317\342\064\263\004\235\037\051\325\277\370\136\310\325\301
\275\356\222\157\062\164\362\221\202\057\275\202\102\172\255\052
\267\040\175\115\274\172\125\022\302\025\352\275\367\152\225\056
\154\164\237\317\034\264\362\305\001\243\205\320\162\076\255\163
\253\013\233\165\014\155\105\267\216\224\254\226\067\265\240\320
\217\025\107\016\343\350\203\335\217\375\357\101\001\167\314\047
\251\142\205\063\362\067\010\357\161\317\167\006\336\310\031\035
\210\100\317\175\106\035\377\036\307\341\316\377\043\333\306\372
\215\125\116\251\002\347\107\021\106\076\364\375\275\173\051\046
\273\251\141\142\067\050\266\055\052\366\020\206\144\311\160\247
\322\255\267\051\160\171\352\074\332\143\045\237\375\150\267\060
\354\160\373\165\212\267\155\140\147\262\036\310\271\351\330\250
\157\002\213\147\015\115\046\127\161\332\040\374\301\112\120\215
\261\050\272

END

```

CKA_NSS_MOZILLA_CA_POLICY
CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

# Trust for "Starfield Services Root Certificate Authority - G2"
# Issuer: CN=Starfield Services Root Certificate Authority - G2,O="Starfield Technologies,
Inc.",L=Scottsdale,ST=Arizona,C=US
# Serial Number: 0 (0x0)
# Subject: CN=Starfield Services Root Certificate Authority - G2,O="Starfield Technologies,
Inc.",L=Scottsdale,ST=Arizona,C=US
# Not Valid Before: Tue Sep 01 00:00:00 2009
# Not Valid After : Thu Dec 31 23:59:59 2037
# Fingerprint (SHA-256):
56:8D:69:05:A2:C8:87:08:A4:B3:02:51:90:ED:CF:ED:B1:97:4A:60:6A:13:C6:E5:29:0F:CB:2A:E6:3E:DA:B5
# Fingerprint (SHA1): 92:5A:8F:8D:2C:6D:04:E0:66:5F:59:6A:FF:22:D8:63:E8:25:6F:3F
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Starfield Services Root
Certificate Authority - G2"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\222\132\217\215\054\155\004\340\146\137\131\152\377\042\330\143
\350\045\157\077
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\027\065\164\257\173\141\034\353\364\371\074\342\356\100\371\242
END
CKA_ISSUER MULTILINE_OCTAL
\060\201\230\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\020\060\016\006\003\125\004\010\023\007\101\162\151\172\157
\156\141\061\023\060\021\006\003\125\004\007\023\012\123\143\157
\164\164\163\144\141\154\145\061\045\060\043\006\003\125\004\012
\023\034\123\164\141\162\146\151\145\154\144\040\124\145\143\150
\156\157\154\157\147\151\145\163\054\040\111\156\143\056\061\073
\060\071\006\003\125\004\003\023\062\123\164\141\162\146\151\145
\154\144\040\123\145\162\166\151\143\145\163\040\122\157\157\164
\040\103\145\162\164\151\146\151\143\141\164\145\040\101\165\164
\150\157\162\151\164\171\040\055\040\107\062
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\001\000
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION
CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

```

CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#

Certificate "AffirmTrust Commercial"

#

Issuer: CN=AffirmTrust Commercial,O=AffirmTrust,C=US

Serial Number:77:77:06:27:26:a9:b1:7c

Subject: CN=AffirmTrust Commercial,O=AffirmTrust,C=US

Not Valid Before: Fri Jan 29 14:06:06 2010

Not Valid After : Tue Dec 31 14:06:06 2030

Fingerprint (SHA-256):

03:76:AB:1D:54:C5:F9:80:3C:E4:B2:E2:01:A0:EE:7E:EF:7B:57:B6:36:E8:A9:3C:9B:8D:48:60:C9:6F:5F:A7

Fingerprint (SHA1): F9:B5:B6:32:45:5F:9C:BE:EC:57:5F:80:DC:E9:6E:2C:C7:B2:78:B7

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "AffirmTrust Commercial"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL

\060\104\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\024\060\022\006\003\125\004\012\014\013\101\146\146\151\162\155
\124\162\165\163\164\061\037\060\035\006\003\125\004\003\014\026
\101\146\146\151\162\155\124\162\165\163\164\040\103\157\155\155
\145\162\143\151\141\154

END

CKA_ID

UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

\060\104\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\024\060\022\006\003\125\004\012\014\013\101\146\146\151\162\155
\124\162\165\163\164\061\037\060\035\006\003\125\004\003\014\026
\101\146\146\151\162\155\124\162\165\163\164\040\103\157\155\155
\145\162\143\151\141\154

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\002\010\167\167\006\047\046\251\261\174

END

CKA_VALUE MULTILINE_OCTAL

\060\202\003\114\060\202\002\064\240\003\002\001\002\002\010\167
\167\006\047\046\251\261\174\060\015\006\011\052\206\110\206\367
\015\001\001\013\005\000\060\104\061\013\060\011\006\003\125\004
\006\023\002\125\123\061\024\060\022\006\003\125\004\012\014\013
\101\146\146\151\162\155\124\162\165\163\164\061\037\060\035\006
\003\125\004\003\014\026\101\146\146\151\162\155\124\162\165\163
\164\040\103\157\155\155\145\162\143\151\141\154\060\036\027\015
\061\060\060\061\062\071\061\064\060\066\060\066\132\027\015\063
\060\061\062\063\061\061\064\060\066\060\066\132\060\104\061\013

\060\011\006\003\125\004\006\023\002\125\123\061\024\060\022\006
\003\125\004\012\014\013\101\146\146\151\162\155\124\162\165\163
\164\061\037\060\035\006\003\125\004\003\014\026\101\146\146\151
\162\155\124\162\165\163\164\040\103\157\155\155\145\162\143\151
\141\154\060\202\001\042\060\015\006\011\052\206\110\206\367\015
\001\001\001\005\000\003\202\001\017\000\060\202\001\012\002\202
\001\001\000\366\033\117\147\007\053\241\025\365\006\042\313\037
\001\262\343\163\105\006\104\111\054\273\111\045\024\326\316\303
\267\253\054\117\306\101\062\224\127\372\022\247\133\016\342\217
\037\036\206\031\247\252\265\055\271\137\015\212\302\257\205\065
\171\062\055\273\034\142\067\362\261\133\112\075\312\315\161\137
\351\102\276\224\350\310\336\371\042\110\144\306\345\253\306\053
\155\255\005\360\372\325\013\317\232\345\360\120\244\213\073\107
\245\043\133\172\172\370\063\077\270\357\231\227\343\040\301\326
\050\211\317\224\373\271\105\355\343\100\027\021\324\164\360\013
\061\342\053\046\152\233\114\127\256\254\040\076\272\105\172\005
\363\275\233\151\025\256\175\116\040\143\304\065\166\072\007\002
\311\067\375\307\107\356\350\361\166\035\163\025\362\227\244\265
\310\172\171\331\102\252\053\177\134\376\316\046\117\243\146\201
\065\257\104\272\124\036\034\060\062\145\235\346\074\223\136\120
\116\172\343\072\324\156\314\032\373\371\322\067\256\044\052\253
\127\003\042\050\015\111\165\177\267\050\332\165\277\216\343\334
\016\171\061\002\003\001\000\001\243\102\060\100\060\035\006\003
\125\035\016\004\026\004\024\235\223\306\123\213\136\312\257\077
\237\036\017\345\231\225\274\044\366\224\217\060\017\006\003\125
\035\023\001\001\377\004\005\060\003\001\001\377\060\016\006\003
\125\035\017\001\001\377\004\004\003\002\001\006\060\015\006\011
\052\206\110\206\367\015\001\001\013\005\000\003\202\001\001\000
\130\254\364\004\016\315\300\015\377\012\375\324\272\026\137\051
\275\173\150\231\130\111\322\264\035\067\115\177\047\175\106\006
\135\103\306\206\056\076\163\262\046\175\117\223\251\266\304\052
\232\253\041\227\024\261\336\214\323\253\211\025\330\153\044\324
\361\026\256\330\244\134\324\177\121\216\355\030\001\261\223\143
\275\274\370\141\200\232\236\261\316\102\160\342\251\175\006\045
\175\047\241\376\157\354\263\036\044\332\343\113\125\032\000\073
\065\264\073\331\327\135\060\375\201\023\211\362\302\006\053\355
\147\304\216\311\103\262\134\153\025\211\002\274\142\374\116\362
\265\063\252\262\157\323\012\242\120\343\366\073\350\056\104\302
\333\146\070\251\063\126\110\361\155\033\063\215\015\214\077\140
\067\235\323\312\155\176\064\176\015\237\162\166\213\033\237\162
\375\122\065\101\105\002\226\057\034\262\232\163\111\041\261\111
\107\105\107\264\357\152\064\021\311\115\232\314\131\267\326\002
\236\132\116\145\265\224\256\033\337\051\260\026\361\277\000\236
\007\072\027\144\265\004\265\043\041\231\012\225\073\227\174\357

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "AffirmTrust Commercial"

Issuer: CN=AffirmTrust Commercial,O=AffirmTrust,C=US

Serial Number:77:77:06:27:26:a9:b1:7c

Subject: CN=AffirmTrust Commercial,O=AffirmTrust,C=US

Not Valid Before: Fri Jan 29 14:06:06 2010

Not Valid After : Tue Dec 31 14:06:06 2030

Fingerprint (SHA-256):

03:76:AB:1D:54:C5:F9:80:3C:E4:B2:E2:01:A0:EE:7E:EF:7B:57:B6:36:E8:A9:3C:9B:8D:48:60:C9:6F:5F:A7

Fingerprint (SHA1): F9:B5:B6:32:45:5F:9C:BE:EC:57:5F:80:DC:E9:6E:2C:C7:B2:78:B7

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "AffirmTrust Commercial"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

\371\265\266\062\105\137\234\276\354\127\137\200\334\351\156\054
\307\262\170\267

END

CKA_CERT_MD5_HASH

MULTILINE_OCTAL

\202\222\272\133\357\315\212\157\246\075\125\371\204\366\326\267

END

CKA_ISSUER MULTILINE_OCTAL

\060\104\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\024\060\022\006\003\125\004\012\014\013\101\146\146\151\162\155
\124\162\165\163\164\061\037\060\035\006\003\125\004\003\014\026
\101\146\146\151\162\155\124\162\165\163\164\040\103\157\155\155
\145\162\143\151\141\154

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\002\010\167\167\006\047\046\251\261\174

END

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#

Certificate "AffirmTrust Networking"

#

Issuer: CN=AffirmTrust Networking,O=AffirmTrust,C=US

Serial Number:7c:4f:04:39:1c:d4:99:2d

Subject: CN=AffirmTrust Networking,O=AffirmTrust,C=US

Not Valid Before: Fri Jan 29 14:08:24 2010

Not Valid After : Tue Dec

31 14:08:24 2030

Fingerprint (SHA-256):

0A:81:EC:5A:92:97:77:F1:45:90:4A:F3:8D:5D:50:9F:66:B5:E2:C5:8F:CD:B5:31:05:8B:0E:17:F3:F0:B4:1B

Fingerprint (SHA1): 29:36:21:02:8B:20:ED:02:F5:66:C5:32:D1:D6:ED:90:9F:45:00:2F

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "AffirmTrust Networking"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL

\060\104\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\024\060\022\006\003\125\004\012\014\013\101\146\146\151\162\155
\124\162\165\163\164\061\037\060\035\006\003\125\004\003\014\026
\101\146\146\151\162\155\124\162\165\163\164\040\116\145\164\167
\157\162\153\151\156\147

END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

\060\104\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\024\060\022\006\003\125\004\012\014\013\101\146\146\151\162\155
\124\162\165\163\164\061\037\060\035\006\003\125\004\003\014\026
\101\146\146\151\162\155\124\162\165\163\164\040\116\145\164\167
\157\162\153\151\156\147

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

\002\010\174\117\004\071\034\324\231\055

END

CKA_VALUE MULTILINE_OCTAL

\060\202\003\114\060\202\002\064\240\003\002\001\002\002\010\174
\117\004\071\034\324\231\055\060\015\006\011\052\206\110\206\367
\015\001\001\005\005\000\060\104\061\013\060\011\006\003\125\004
\006\023\002\125\123\061\024\060\022\006\003\125\004\012\014\013
\101\146\146\151\162\155\124\162\165\163\164\061\037\060\035\006
\003\125\004\003\014\026\101\146\146\151\162\155\124\162\165\163
\164\040\116\145\164\167\157\162\153\151\156\147\060\036\027\015
\061\060\060\061\062\071\061\064\060\070\062\064\132\027\015\063
\060\061\062\063\061\061\064\060\070\062\064\132\060\104\061\013
\060\011\006\003\125\004\006\023\002\125\123\061\024\060\022\006
\003\125\004\012\014\013\101\146\146\151\162\155\124\162\165\163
\164\061\037\060\035\006\003\125\004\003\014\026\101\146\146\151
\162\155\124\162\165\163\164\040\116\145\164\167\157\162\153\151
\156\147\060\202\001\042\060\015\006\011\052\206\110\206\367\015
\001\001\001\005\000\003\202\001\017\000\060\202\001\012\002\202
\001\001\000\264\204\314\063\027\056\153\224\154\153\141\122\240
\353\243\317\171\224\114\345\224\200\231\313\125\144\104\145\217
\147\144\342\006\343\134\067\111\366\057\233\204\204\036\055\362

\140\235\060\116\314\204\205\342\054\317\036\236\376\066\253\063
\167\065\104\330\065\226\032\075\066\350\172\016\330\325\107\241
\152\151\213\331\374\273\072\256\171\132\325\364\326\161\273\232
\220\043\153\232\267\210\164\207\014\036\137\271\236\055\372\253
\123\053\334\273\166\076\223\114\010\010\214\036\242\043\034\324
\152\255\042\272\231\001\056\155\145\313\276\044\146\125\044\113
\100\104\261\033\327\341\302\205\300\336\020\077\075\355\270\374
\361\361\043\123\334\277\145\227\157\331\371\100\161\215\175\275
\225\324\316\276\240\136\047\043\336\375\246\320\046\016\000\051
\353\074\106\360\075\140\277\077\120\322\334\046\101\121\236\024
\067\102\004\243\160\127\250\033\207\355\055\372\173\356\214\012
\343\251\146\211\031\313\101\371\335\104\066\141\317\342\167\106
\310\175\366\364\222\201\066\375\333\064\361\162\176\363\014\026
\275\264\025\002\003\001\000\001\243\102\060\100\060\035\006\003
\125\035\016\004\026\004\024\007\037\322\347\234\332\302\156\242
\100\264\260\172\120\020\120\164\304\310\275\060\017\006\003\125
\035\023\001\001\377\004\005\060\003\001\001\377\060\016\006\003
\125\035\017\001\001\377\004\004\003\002\001\006\060\015\006\011
\052\206\110\206\367\015\001\001\005\005\000\003\202\001\001\000
\211\127\262\026\172\250\302\375\326\331\233\233\064\302\234\264
\062\024\115\247\244\337\354\276\247\276\370\103\333\221\067\316
\264\062\056\120\125\032\065\116\166\103\161\040\357\223\167\116
\025\160\056\207\303\301\035\155\334\313\265\047\324\054\126\321
\122\123\072\104\322\163\310\304\033\005\145\132\142\222\234\356
\101\215\061\333\347\064\352\131\041\325\001\172\327\144\270\144
\071\315\311\355\257\355\113\003\110\247\240\231\001\200\334\145
\243\066\256\145\131\110\117\202\113\310\145\361\127\035\345\131
\056\012\077\154\330\321\365\345\011\264\154\124\000\012\340\025
\115\207\165\155\267\130\226\132\335\155\322\000\240\364\233\110
\276\303\067\244\272\066\340\174\207\205\227\032\025\242\336\056
\242\133\275\257\030\371\220\120\315\160\131\370\047\147\107\313
\307\240\007\072\175\321\054\135\154\031\072\146\265\175\375\221
\157\202\261\276\010\223\333\024\107\361\242\067\307\105\236\074
\307\167\257\144\250\223\337\366\151\203\202\140\362\111\102\064
\355\132\000\124\205\034\026\066\222\014\134\372\246\255\277\333
END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "AffirmTrust Networking"

Issuer: CN=AffirmTrust Networking,O=AffirmTrust,C=US

Serial Number:7c:4f:04:39:1c:d4:99:2d

Subject: CN=AffirmTrust Networking,O=AffirmTrust,C=US

Not Valid Before: Fri Jan

29 14:08:24 2010

Not Valid After : Tue Dec 31 14:08:24 2030

```

# Fingerprint (SHA-256):
0A:81:EC:5A:92:97:77:F1:45:90:4A:F3:8D:5D:50:9F:66:B5:E2:C5:8F:CD:B5:31:05:8B:0E:17:F3:F0:B4:1B
# Fingerprint (SHA1): 29:36:21:02:8B:20:ED:02:F5:66:C5:32:D1:D6:ED:90:9F:45:00:2F
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "AffirmTrust Networking"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\051\066\041\002\213\040\355\002\365\146\305\062\321\326\355\220
\237\105\000\057
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\102\145\312\276\001\232\232\114\251\214\101\111\315\300\325\177
END
CKA_ISSUER MULTILINE_OCTAL
\060\104\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\024\060\022\006\003\125\004\012\014\013\101\146\146\151\162\155
\124\162\165\163\164\061\037\060\035\006\003\125\004\003\014\026
\101\146\146\151\162\155\124\162\165\163\164\040\116\145\164\167
\157\162\153\151\156\147
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\010\174\117\004\071\034\324\231\055
END
CKA_TRUST_SERVER_AUTH
CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "AffirmTrust Premium"
#
# Issuer: CN=AffirmTrust Premium,O=AffirmTrust,C=US
# Serial Number:6d:8c:14:46:b1:a6:0a:ee
# Subject: CN=AffirmTrust Premium,O=AffirmTrust,C=US
# Not Valid Before: Fri Jan 29 14:10:36 2010
# Not Valid After : Mon Dec 31 14:10:36 2040
# Fingerprint (SHA-256):
70:A7:3F:7F:37:6B:60:07:42:48:90:45:34:B1:14:82:D5:BF:0E:69:8E:CC:49:8D:F5:25:77:EB:F2:E9:3B:9A
# Fingerprint (SHA1): D8:A6:33:2C:E0:03:6F:B1:85:F6:63:4F:7D:6A:06:65:26:32:28:27
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "AffirmTrust Premium"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

```

CKA_SUBJECT MULTILINE_OCTAL

\060\101\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\024\060\022\006\003\125\004\012\014\013\101\146\146\151\162\155
\124\162\165\163\164\061\034\060\032\006\003\125\004\003\014\023
\101\146\146\151\162\155\124\162\165\163\164\040\120\162\145\155
\151\165\155

END

CKA_ID

UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

\060\101\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\024\060\022\006\003\125\004\012\014\013\101\146\146\151\162\155
\124\162\165\163\164\061\034\060\032\006\003\125\004\003\014\023
\101\146\146\151\162\155\124\162\165\163\164\040\120\162\145\155
\151\165\155

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\002\010\155\214\024\106\261\246\012\356

END

CKA_VALUE MULTILINE_OCTAL

\060\202\005\106\060\202\003\056\240\003\002\001\002\002\010\155
\214\024\106\261\246\012\356\060\015\006\011\052\206\110\206\367
\015\001\001\014\005\000\060\101\061\013\060\011\006\003\125\004
\006\023\002\125\123\061\024\060\022\006\003\125\004\012\014\013
\101\146\146\151\162\155\124\162\165\163\164\061\034\060\032\006
\003\125\004\003\014\023\101\146\146\151\162\155\124\162\165\163
\164\040\120\162\145\155\151\165\155\060\036\027\015\061\060\060
\061\062\071\061\064\061\060\063\066\132\027\015\064\060\061\062
\063\061\061\064\061\060\063\066\132\060\101\061\013\060\011\006
\003\125\004\006\023\002\125\123\061\024\060\022\006\003\125\004
\012\014\013\101\146\146\151\162\155\124\162\165\163\164\061\034
\060\032\006\003\125\004\003\014\023\101\146\146\151\162\155\124
\162\165\163\164\040\120\162\145\155\151\165\155\060\202\002\042
\060\015\006\011\052\206\110\206\367\015\001\001\001\005\000\003
\202\002\017\000\060\202\002\012\002\202\002\001\000\304\022\337
\251\137\376\101\335\335\365\237\212\343\366\254\341\074\170\232
\274\330\360\177\172\240\063\052\334\215\040\133\256\055\157\347
\223\331\066\160\152\150\317\216\121\243\205\133\147\004\240\020
\044\157\135\050\202\301\227\127\330\110\051\023\266\341\276\221
\115\337\205\014\123\030\232\036\044\242\117\217\360\242\205\013
\313\364\051\177\322\244\130\356\046\115\311\252\250\173\232\331
\372\070\336\104\127\025\345\370\214\310\331\110\342\015\026\047
\035\036\310\203\205\045\267\272\252\125\101\314\003\042\113\055
\221\215\213\346\211\257\146\307\351\377\053\351\074\254\332\322
\263\303\341\150\234\211\370\172\000\126\336\364\125\225\154\373
\272\144\335\142\213\337\013\167\062\353\142\314\046\232\233\273
\252\142\203\114\264\006\172\060\310\051\277\355\006\115\227\271
\034\304\061\053\325\137\274\123\022\027\234\231\127\051\146\167

\141\041\061\007\056\045\111\235\030\362\356\363\053\161\214\265
\272\071\007\111\167\374\357\056\222\220\005\215\055\057\167\173
\357\103\277\065\273\232\330\371\163\247\054\362\320\127\356\050
\116\046\137\217\220\150\011\057\270\370\334\006\351\056\232\076
\121\247\321\042\304\012\247\070\110\154\263\371\377\175\253\206
\127\343\272\326\205\170\167\272\103\352\110\177\366\330\276\043
\155\036\277\321\066\154\130\134\361\356\244\031\124\032\365\003
\322\166\346\341\214\275\074\263\323\110\113\342\310\370\177\222
\250\166\106\234\102\145\076\244\036\301\007\003\132\106\055\270
\227\363\267\325\262\125\041\357\272\334\114\000\227\373\024\225
\047\063\277\350\103\107\106\322\010\231\026\140\073\232\176\322
\346\355\070\352\354\001\036\074\110\126\111\011\307\114\067\000
\236\210\016\300\163\341\157\146\351\162\107\060\076\020\345\013
\003\311\232\102\000\154\305\224\176\141\304\212\337\177\202\032
\013\131\304\131\062\167\263\274\140\151\126\071\375\264\006\173
\054\326\144\066\331\275\110\355\204\037\176\245\042\217\052\270
\102\364\202\267\324\123\220\170\116\055\032\375\201\157\104\327
\073\001\164\226\102\340\000\342\056\153\352\305\356\162\254\273
\277\376\352\252\250\370\334\366\262\171\212\266\147\002\003\001
\000\001\243\102\060\100\060\035\006\003\125\035\016\004\026\004
\024\235\300\147\246\014\042\331\046\365\105\253\246\145\122\021
\047\330\105\254\143\060\017\006\003\125\035\023\001\001\377\004
\005\060\003\001\001\377\060\016\006\003\125\035\017\001\001\377
\004\004\003\002\001\006\060\015\006\011\052\206\110\206\367\015
\001\001\014\005\000\003\202\002\001\000\263\127\115\020\142\116
\072\344\254\352\270\034\257\062\043\310\263\111\132\121\234\166
\050\215\171\252\127\106\027\325\365\122\366\267\104\350\010\104
\277\030\204\322\013\200\315\305\022\375\000\125\005\141\207\101
\334\265\044\236\074\304\330\310\373\160\236\057\170\226\203\040
\066\336\174\017\151\023\210\245\165\066\230\010\246\306\337\254
\316\343\130\326\267\076\336\272\363\353\064\100\330\242\201\365
\170\077\057\325\245\374\331\242\324\136\004\016\027\255\376\101
\360\345\262\162\372\104\202\063\102\350\055\130\367\126\214\142
\077\272\102\260\234\014\134\176\056\145\046\134\123\117\000\262
\170\176\241\015\231\055\215\270\035\216\242\304\260\375\140\320
\060\244\216\310\004\142\251\304\355\065\336\172\227\355\016\070
\136\222\057\223\160\245\251\234\157\247\175\023\035\176\306\010
\110\261\136\147\353\121\010\045\351\346\045\153\122\051\221\234
\322\071\163\010\127\336\231\006\264\133\235\020\006\341\302\000
\250\270\034\112\002\012\024\320\301\101\312\373\214\065\041\175
\202\070\362\251\124\221\031\065\223\224\155\152\072\305\262\320
\273\211\206\223\350\233\311\017\072\247\172\270\241\360\170\106
\372\374\067\057\345\212\204\363\337\376\004\331\241\150\240\057
\044\342\011\225\006\325\225\312\341\044\226\353\174\366\223\005
\273\355\163\351\055\321\165\071\327\347\044\333\330\116\137\103
\217\236\320\024\071\277\125\160\110\231\127\061\264\234\356\112
\230\003\226\060\037\140\006\356\033\043\376\201\140\043\032\107
\142\205\245\314\031\064\200\157\263\254\032\343\237\360\173\110

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\255\325\001\331\147\266\251\162\223\352\055\146\265\262\270\344
\075\074\262\357\114\214\352\353\007\277\253\065\232\125\206\274
\030\246\265\250\136\264\203\154\153\151\100\323\237\334\361\303
\151\153\271\341\155\011\364\361\252\120\166\012\172\175\172\027
\241\125\226\102\231\061\011\335\140\021\215\005\060\176\346\216
\106\321\235\024\332\307\027\344\005\226\214\304\044\265\033\317
\024\007\262\100\370\243\236\101\206\274\004\320\153\226\310\052
\200\064\375\277\357\006\243\335\130\305\205\075\076\217\376\236
\051\340\266\270\011\150\031\034\030\103
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "AffirmTrust Premium"

Issuer: CN=AffirmTrust Premium,O=AffirmTrust,C=US

Serial Number:6d:8c:14:46:b1:a6:0a:ee

Subject: CN=AffirmTrust Premium,O=AffirmTrust,C=US

Not Valid Before: Fri Jan 29 14:10:36 2010

Not Valid After : Mon Dec 31 14:10:36 2040

Fingerprint (SHA-256):

70:A7:3F:7F:37:6B:60:07:42:48:90:45:34:B1:14:82:D5:BF:0E:69:8E:CC:49:8D:F5:25:77:EB:F2:E9:3B:9A

Fingerprint (SHA1): D8:A6:33:2C:E0:03:6F:B1:85:F6:63:4F:7D:6A:06:65:26:32:28:27

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "AffirmTrust Premium"

CKA_CERT_SHA1_HASH

MULTILINE_OCTAL

```
\330\246\063\054\340\003\157\261\205\366\143\117\175\152\006\145
\046\062\050\047
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\304\135\016\110\266\254\050\060\116\012\274\371\070\026\207\127
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END

CKA_ISSUER MULTILINE_OCTAL

```
\060\101\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\024\060\022\006\003\125\004\012\014\013\101\146\146\151\162\155
\124\162\165\163\164\061\034\060\032\006\003\125\004\003\014\023
\101\146\146\151\162\155\124\162\165\163\164\040\120\162\145\155
\151\165\155
```

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

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\002\010\155\214\024\106\261\246\012\356
```

END

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#

Certificate "AffirmTrust Premium ECC"

#

Issuer: CN=AffirmTrust Premium ECC,O=AffirmTrust,C=US

Serial Number:74:97:25:8a:c7:3f:7a:54

Subject: CN=AffirmTrust Premium ECC,O=AffirmTrust,C=US

#

Not Valid Before: Fri Jan 29 14:20:24 2010

Not Valid After : Mon Dec 31 14:20:24 2040

Fingerprint (SHA-256):

BD:71:FD:F6:DA:97:E4:CF:62:D1:64:7A:DD:25:81:B0:7D:79:AD:F8:39:7E:B4:EC:BA:9C:5E:84:88:82:14:23

Fingerprint (SHA1): B8:23:6B:00:2F:1D:16:86:53:01:55:6C:11:A4:37:CA:EB:FF:C3:BB

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "AffirmTrust Premium ECC"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL

\060\105\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\024\060\022\006\003\125\004\012\014\013\101\146\146\151\162\155
\124\162\165\163\164\061\040\060\036\006\003\125\004\003\014\027
\101\146\146\151\162\155\124\162\165\163\164\040\120\162\145\155
\151\165\155\040\105\103\103

END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

\060\105\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\024\060\022\006\003\125\004\012\014\013\101\146\146\151\162\155
\124\162\165\163\164\061\040\060\036\006\003\125\004\003\014\027
\101\146\146\151\162\155\124\162\165\163\164\040\120\162\145\155
\151\165\155\040\105\103\103

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

\002\010\164\227\045\212\307\077\172\124

END

CKA_VALUE MULTILINE_OCTAL

\060\202\001\376\060\202\001\205\240\003\002\001\002\002\010\164
\227\045\212\307\077\172\124\060\012\006\010\052\206\110\316\075
\004\003\003\060\105\061\013\060\011\006\003\125\004\006\023\002
\125\123\061\024\060\022\006\003\125\004\012\014\013\101\146\146
\151\162\155\124\162\165\163\164\061\040\060\036\006\003\125\004
\003\014\027\101\146\146\151\162\155\124\162\165\163\164\040\120

\162\145\155\151\165\155\040\105\103\103\060\036\027\015\061\060
\060\061\062\071\061\064\062\060\062\064\132\027\015\064\060\061
\062\063\061\061\064\062\060\062\064\132\060\105\061\013\060\011
\006\003\125\004\006\023\002\125\123\061\024\060\022\006\003\125
\004\012\014\013\101\146\146\151\162\155\124\162\165\163\164\061
\040\060\036\006\003\125\004\003\014\027\101\146\146\151\162\155
\124\162\165\163\164\040\120\162\145\155\151\165\155\040\105\103
\103\060\166\060\020\006\007\052\206\110\316\075\002\001\006\005
\053\201\004\000\042\003\142\000\004\015\060\136\033\025\235\003
\320\241\171\065\267\072\074\222\172\312\025\034\315\142\363\234
\046\134\007\075\345\124\372\243\326\314\022\352\364\024\137\350
\216\031\253\057\056\110\346\254\030\103\170\254\320\067\303\275
\262\315\054\346\107\342\032\346\143\270\075\056\057\170\304\117
\333\364\017\244\150\114\125\162\153\225\035\116\030\102\225\170
\314\067\074\221\342\233\145\053\051\243\102\060\100\060\035\006
\003\125\035\016\004\026\004\024\232\257\051\172\300\021\065\065
\046\121\060\000\303\152\376\100\325\256\326\074\060\017\006\003
\125\035\023\001\001\377\004\005\060\003\001\001\377\060\016\006
\003\125\035\017\001\001\377\004\004\003\002\001\006\060\012\006
\010\052\206\110\316\075\004\003\003\003\147\000\060\144\002\060
\027\011\363\207\210\120\132\257\310\300\102\277\107\137\365\154
\152\206\340\304\047\164\344\070\123\327\005\177\033\064\343\306
\057\263\312\011\074\067\235\327\347\270\106\361\375\241\342\161
\002\060\102\131\207\103\324\121\337\272\323\011\062\132\316\210
\176\127\075\234\137\102\153\365\007\055\265\360\202\223\371\131
\157\256\144\372\130\345\213\036\343\143\276\265\201\315\157\002
\214\171

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "AffirmTrust Premium ECC"

Issuer: CN=AffirmTrust Premium ECC,O=AffirmTrust,C=US

Serial Number:74:97:25:8a:c7:3f:7a:54

Subject: CN=AffirmTrust Premium ECC,O=AffirmTrust,C=US

Not Valid Before: Fri Jan 29 14:20:24 2010

Not Valid After : Mon Dec 31 14:20:24 2040

Fingerprint (SHA-256):

BD:71:FD:F6:DA:97:E4:CF:62:D1:64:7A:DD:25:81:B0:7D:79:AD:F8:39:7E:B4:EC:BA:9C:5E:84:88:82:14:23

Fingerprint (SHA1): B8:23:6B:00:2F:1D:16:86:53:01:55:6C:11:A4:37:CA:EB:FF:C3:BB

CKA_CLASS

CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "AffirmTrust Premium ECC"

```

CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\270\043\153\000\057\035\026\206\123\001\125\154\021\244\067\312
\353\377\303\273
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\144\260\011\125\317\261\325\231\342\276\023\253\246\135\352\115
END
CKA_ISSUER MULTILINE_OCTAL
\060\105\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\024\060\022\006\003\125\004\012\014\013\101\146\146\151\162\155
\124\162\165\163\164\061\040\060\036\006\003\125\004\003\014\027
\101\146\146\151\162\155\124\162\165\163\164\040\120\162\145\155
\151\165\155\040\105\103\103
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\010\164\227\045\212\307\077\172\124
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED
CK_BBOOL CK_FALSE

#
# Certificate "Certum Trusted Network CA"
#
# Issuer: CN=Certum Trusted Network CA,OU=Certum Certification Authority,O=Unizeto Technologies
S.A.,C=PL
# Serial Number: 279744 (0x444c0)
# Subject: CN=Certum Trusted Network CA,OU=Certum Certification Authority,O=Unizeto Technologies
S.A.,C=PL
# Not Valid Before: Wed Oct 22 12:07:37 2008
# Not Valid After : Mon Dec 31 12:07:37 2029
# Fingerprint (SHA-256):
5C:58:46:8D:55:F5:8E:49:7E:74:39:82:D2:B5:00:10:B6:D1:65:37:4A:CF:83:A7:D4:A3:2D:B7:68:C4:40:8E
# Fingerprint (SHA1): 07:E0:32:E0:20:B7:2C:3F:19:2F:06:28:A2:59:3A:19:A7:0F:06:9E
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Certum Trusted Network CA"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\176\061\013\060\011\006\003\125\004\006\023\002\120\114\061
\042\060\040\006\003\125\004\012\023\031\125\156\151\172\145\164
\157\040\124\145\143\150\156\157\154\157\147\151\145\163\040\123
\056\101\056\061\047\060\045\006\003\125\004\013\023\036\103\145
\162\164\165\155\040\103\145\162\164\151\146\151\143\141\164\151

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\157\156\040\101\165\164\150\157\162\151\164\171\061\042\060\040
\006\003\125\004\003\023\031\103\145\162\164\165\155\040\124\162
\165\163\164\145\144\040\116\145\164\167\157\162\153\040\103\101
END

CKA_ID

UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

\060\176\061\013\060\011\006\003\125\004\006\023\002\120\114\061
\042\060\040\006\003\125\004\012\023\031\125\156\151\172\145\164
\157\040\124\145\143\150\156\157\154\157\147\151\145\163\040\123
\056\101\056\061\047\060\045\006\003\125\004\013\023\036\103\145
\162\164\165\155\040\103\145\162\164\151\146\151\143\141\164\151
\157\156\040\101\165\164\150\157\162\151\164\171\061\042\060\040
\006\003\125\004\003\023\031\103\145\162\164\165\155\040\124\162
\165\163\164\145\144\040\116\145\164\167\157\162\153\040\103\101
END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\002\003\004\104\300

END

CKA_VALUE

MULTILINE_OCTAL

\060\202\003\273\060\202\002\243\240\003\002\001\002\002\003\004
\104\300\060\015\006\011\052\206\110\206\367\015\001\001\005\005
\000\060\176\061\013\060\011\006\003\125\004\006\023\002\120\114
\061\042\060\040\006\003\125\004\012\023\031\125\156\151\172\145
\164\157\040\124\145\143\150\156\157\154\157\147\151\145\163\040
\123\056\101\056\061\047\060\045\006\003\125\004\013\023\036\103
\145\162\164\165\155\040\103\145\162\164\151\146\151\143\141\164
\151\157\156\040\101\165\164\150\157\162\151\164\171\061\042\060
\040\006\003\125\004\003\023\031\103\145\162\164\165\155\040\124
\162\165\163\164\145\144\040\116\145\164\167\157\162\153\040\103
\101\060\036\027\015\060\070\061\060\062\062\061\062\060\067\063
\067\132\027\015\062\071\061\062\063\061\061\062\060\067\063\067
\132\060\176\061\013\060\011\006\003\125\004\006\023\002\120\114
\061\042\060\040\006\003\125\004\012\023\031\125\156\151\172\145
\164\157\040\124\145\143\150\156\157\154\157\147\151\145\163\040
\123\056\101\056\061\047\060\045\006\003\125\004\013\023\036\103
\145\162\164\165\155\040\103\145\162\164\151\146\151\143\141\164
\151\157\156\040\101\165\164\150\157\162\151\164\171\061\042\060
\040\006\003\125\004\003\023\031\103\145\162\164\165\155\040\124
\162\165\163\164\145\144\040\116\145\164\167\157\162\153\040\103
\101\060\202\001\042\060\015\006\011\052\206\110\206\367\015\001
\001\001\005\000\003\202\001\017\000\060\202\001\012\002\202\001
\001\000\343\373\175\243\162\272\302\360\311\024\207\365\153\001
\116\341\156\100\007\272\155\047\135\177\367\133\055\263\132\307
\121\137\253\244\062\246\141\207\266\156\017\206\322\060\002\227
\370\327\151\127\241\030\071\135\152\144\171\306\001\131\254\074
\061\112\070\174\322\004\322\113\050\350\040\137\073\007\242\314

\115\163\333\363\256\117\307\126\325\132\247\226\211\372\363\253
\150\324\043\206\131\047\317\011\047\274\254\156\162\203\034\060
\162\337\340\242\351\322\341\164\165\031\275\052\236\173\025\124
\004\033\327\103\071\255\125\050\305\342\032\273\364\300\344\256
\070\111\063\314\166\205\237\071\105\322\244\236\362\022\214\121
\370\174\344\055\177\365\254\137\353\026\237\261\055\321\272\314
\221\102\167\114\045\311\220\070\157\333\360\314\373\216\036\227
\131\076\325\140\116\346\005\050\355\111\171\023\113\272\110\333
\057\371\162\323\071\312\376\037\330\064\162\365\264\100\317\061
\001\303\354\336\021\055\027\135\037\270\120\321\136\031\247\151
\336\007\063\050\312\120\225\371\247\124\313\124\206\120\105\251
\371\111\002\003\001\000\001\243\102\060\100\060\017\006\003\125
\035\023\001\001\377\004\005\060\003\001\001\377\060\035\006\003
\125\035\016\004\026\004\024\010\166\315\313\007\377\044\366\305
\315\355\273\220\274\342\204\067\106\165\367\060\016\006\003\125
\035\017\001\001\377\004\004\003\002\001\006\060\015\006\011\052
\206\110\206\367\015\001\001\005\005\000\003\202\001\001\000\246
\250\255\042\316\001\075\246\243\377\142\320\110\235\213\136\162
\260\170\104\343\334\034\257\011\375\043\110\372\275\052\304\271
\125\004\265\020\243\215\047\336\013\202\143\320\356\336\014\067
\171\101\133\042\262\260\232\101\134\246\160\340\324\320\167\313
\043\323\000\340\154\126\057\341\151\015\015\331\252\277\041\201
\120\331\006\245\250\377\225\067\320\252\376\342\263\365\231\055
\105\204\212\345\102\011\327\164\002\057\367\211\330\231\351\274
\047\324\107\215\272\015\106\034\167\317\024\244\034\271\244\061
\304\234\050\164\003\064\377\063\031\046\245\351\015\164\267\076
\227\306\166\350\047\226\243\146\335\341\256\362\101\133\312\230
\126\203\163\160\344\206\032\322\061\101\272\057\276\055\023\132
\166\157\116\350\116\201\016\077\133\003\042\240\022\276\146\130
\021\112\313\003\304\264\052\052\055\226\027\340\071\124\274\110
\323\166\047\235\232\055\006\246\311\354\071\322\253\333\237\232
\013\047\002\065\051\261\100\225\347\371\350\234\125\210\031\106
\326\267\064\365\176\316\071\232\331\070\361\121\367\117\054

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER

CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "Certum Trusted Network CA"

Issuer: CN=Certum Trusted Network CA,OU=Certum Certification Authority,O=Unizeto Technologies
S.A.,C=PL

Serial Number: 279744 (0x444c0)

Subject: CN=Certum Trusted Network CA,OU=Certum Certification Authority,O=Unizeto Technologies
S.A.,C=PL

Not Valid Before: Wed Oct 22 12:07:37 2008

Not Valid After : Mon Dec 31 12:07:37 2029

```

# Fingerprint (SHA-256):
5C:58:46:8D:55:F5:8E:49:7E:74:39:82:D2:B5:00:10:B6:D1:65:37:4A:CF:83:A7:D4:A3:2D:B7:68:C4:40:8E
# Fingerprint (SHA1): 07:E0:32:E0:20:B7:2C:3F:19:2F:06:28:A2:59:3A:19:A7:0F:06:9E
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Certum Trusted Network CA"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\007\340\062\340\040\267\054\077\031\057\006\050\242\131\072\031
\247\017\006\236
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\325\351\201\100\305\030\151\374\106\054\211\165\142\017\252\170
END
CKA_ISSUER
MULTILINE_OCTAL
\060\176\061\013\060\011\006\003\125\004\006\023\002\120\114\061
\042\060\040\006\003\125\004\012\023\031\125\156\151\172\145\164
\157\040\124\145\143\150\156\157\154\157\147\151\145\163\040\123
\056\101\056\061\047\060\045\006\003\125\004\013\023\036\103\145
\162\164\165\155\040\103\145\162\164\151\146\151\143\141\164\151
\157\156\040\101\165\164\150\157\162\151\164\171\061\042\060\040
\006\003\125\004\003\023\031\103\145\162\164\165\155\040\124\162
\165\163\164\145\144\040\116\145\164\167\157\162\153\040\103\101
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\003\004\104\300
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "TWCA Root Certification Authority"
#
# Issuer: CN=TWCA Root Certification Authority,OU=Root
CA,O=TAIWAN-CA,C=TW
# Serial Number: 1 (0x1)
# Subject: CN=TWCA Root Certification Authority,OU=Root CA,O=TAIWAN-CA,C=TW
# Not Valid Before: Thu Aug 28 07:24:33 2008
# Not Valid After : Tue Dec 31 15:59:59 2030
# Fingerprint (SHA-256):
BF:D8:8F:E1:10:1C:41:AE:3E:80:1B:F8:BE:56:35:0E:E9:BA:D1:A6:B9:BD:51:5E:DC:5C:6D:5B:87:11:AC:44
# Fingerprint (SHA1): CF:9E:87:6D:D3:EB:FC:42:26:97:A3:B5:A3:7A:A0:76:A9:06:23:48
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE

```

```
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "TWCA Root Certification Authority"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\137\061\013\060\011\006\003\125\004\006\023\002\124\127\061
\022\060\020\006\003\125\004\012\014\011\124\101\111\127\101\116
\055\103\101\061\020\060\016\006\003\125\004\013\014\007\122\157
\157\164\040\103\101\061\052\060\050\006\003\125\004\003\014\041
\124\127\103\101\040\122\157\157\164\040\103\145\162\164\151\146
\151\143\141\164\151\157\156\040\101\165\164\150\157\162\151\164
\171
END
CKA_ID
UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\137\061\013\060\011\006\003\125\004\006\023\002\124\127\061
\022\060\020\006\003\125\004\012\014\011\124\101\111\127\101\116
\055\103\101\061\020\060\016\006\003\125\004\013\014\007\122\157
\157\164\040\103\101\061\052\060\050\006\003\125\004\003\014\041
\124\127\103\101\040\122\157\157\164\040\103\145\162\164\151\146
\151\143\141\164\151\157\156\040\101\165\164\150\157\162\151\164
\171
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\001\001
END
CKA_VALUE MULTILINE_OCTAL
\060\202\003\173\060\202\002\143\240\003\002\001\002\002\001\001
\060\015\006\011\052\206\110\206\367\015\001\001\005\005\000\060
\137\061\013\060\011\006\003\125\004\006\023\002\124\127\061\022
\060\020\006\003\125\004\012\014\011\124\101\111\127\101\116\055
\103\101\061\020\060\016\006\003\125\004\013\014\007\122\157\157
\164\040\103\101\061\052\060\050\006\003\125\004\003\014\041\124
\127\103\101\040\122\157\157\164\040\103\145\162\164\151\146\151
\143\141\164\151\157\156\040\101\165\164\150\157\162\151\164\171
\060\036\027\015\060\070\060\070\062\070\060\067\062\064\063\063
\132\027\015\063\060\061\062\063\061\061\065\065\071\065\071\132
\060\137\061\013\060\011\006\003\125\004\006\023\002\124\127\061
\022\060\020\006\003\125\004\012\014\011\124\101\111\127\101\116
\055\103\101\061\020\060\016\006\003\125\004\013\014\007\122\157
\157\164\040\103\101\061\052\060\050\006\003\125\004\003\014\041
\124\127\103\101\040\122\157\157\164\040\103\145\162\164\151\146
\151\143\141\164\151\157\156\040\101\165\164\150\157\162\151\164
\171\060\202\001\042\060\015\006\011\052\206\110\206\367\015\001
\001\001\005\000\003\202\001\017\000\060\202\001\012\002\202\001
\001\000\260\176\162\270\244\003\224\346\247\336\011\070\221\112
\021\100\207\247\174\131\144\024\173\265\021\020\335\376\277\325
```

\300\273\126\342\205\045\364\065\162\017\370\123\320\101\341\104
\001\302\264\034\303\061\102\026\107\205\063\042\166\262\012\157
\017\345\045\120\117\205\206\276\277\230\056\020\147\036\276\021
\005\206\005\220\304\131\320\174\170\020\260\200\134\267\341\307
\053\165\313\174\237\256\265\321\235\043\067\143\247\334\102\242
\055\222\004\033\120\301\173\270\076\033\311\126\004\213\057\122
\233\255\251\126\351\301\377\255\251\130\207\060\266\201\367\227
\105\374\031\127\073\053\157\344\107\364\231\105\376\035\361\370
\227\243\210\035\067\034\134\217\340\166\045\232\120\370\240\124
\377\104\220\166\043\322\062\306\303\253\006\277\374\373\277\363
\255\175\222\142\002\133\051\323\065\243\223\232\103\144\140\135
\262\372\062\377\073\004\257\115\100\152\371\307\343\357\043\375
\153\313\345\017\213\070\015\356\012\374\376\017\230\237\060\061
\335\154\122\145\371\213\201\276\042\341\034\130\003\272\221\033
\211\007\002\003\001\000\001\243\102\060\100\060\016\006\003\125
\035\017\001\001\377\004\004\003\002\001\006\060\017\006\003\125
\035\023\001\001\377\004\005\060\003\001\001\377\060\035\006\003
\125\035\016\004\026\004\024\152\070\133\046\215\336\213\132\362
\117\172\124\203\031\030\343\010\065\246\272\060\015\006\011\052
\206\110\206\367\015\001\001\005\005\000\003\202\001\001\000\074
\325\167\075\332\337\211\272\207\014\010\124\152\040\120\222\276
\260\101\075\271\046\144\203\012\057\350\100\300\227\050\047\202
\060\112\311\223\377\152\347\246\000\177\211\102\232\326\021\345
\123\316\057\314\362\332\005\304\376\342\120\304\072\206\175\314
\332\176\020\011\073\222\065\052\123\262\376\353\053\005\331\154
\135\346\320\357\323\152\146\236\025\050\205\172\350\202\000\254
\036\247\011\151\126\102\323\150\121\030\276\124\232\277\104\101
\272\111\276\040\272\151\134\356\270\167\315\316\154\037\255\203
\226\030\175\016\265\024\071\204\361\050\351\055\243\236\173\036
\172\162\132\203\263\171\157\357\264\374\320\012\245\130\117\106
\337\373\155\171\131\362\204\042\122\256\017\314\373\174\073\347
\152\312\107\141\303\172\370\323\222\004\037\270\040\204\341\066
\124\026\307\100\336\073\212\163\334\337\306\011\114\337\354\332
\377\324\123\102\241\311\362\142\035\042\203\074\227\305\371\031
\142\047\254\145\042\327\323\074\306\345\216\262\123\314\111\316
\274\060\376\173\016\063\220\373\355\322\024\221\037\007\257

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "TWCA Root Certification Authority"

Issuer: CN=TWCA Root Certification Authority,OU=Root CA,O=TAIWAN-CA,C=TW

Serial Number: 1 (0x1)

Subject: CN=TWCA Root Certification Authority,OU=Root CA,O=TAIWAN-CA,C=TW

Not Valid Before: Thu Aug 28 07:24:33 2008

Not Valid After : Tue Dec 31 15:59:59 2030

```

# Fingerprint (SHA-256):
BF:D8:8F:E1:10:1C:41:AE:3E:80:1B:F8:BE:56:35:0E:E9:BA:D1:A6:B9:BD:51:5E:DC:5C:6D:5B:87:11:AC:44
# Fingerprint (SHA1): CF:9E:87:6D:D3:EB:FC:42:26:97:A3:B5:A3:7A:A0:76:A9:06:23:48
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE
CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "TWCA Root Certification Authority"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\317\236\207\155\323\353\374\102\046\227\243\265\243\172\240\166
\251\006\043\110
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\252\010\217\366\371\173\267\362\261\247\036\233\352\352\275\171
END
CKA_ISSUER MULTILINE_OCTAL
\060\137\061\013\060\011\006\003\125\004\006\023\002\124\127\061
\022\060\020\006\003\125\004\012\014\011\124\101\111\127\101\116
\055\103\101\061\020\060\016\006\003\125\004\013\014\007\122\157
\157\164\040\103\101\061\052\060\050\006\003\125\004\003\014\041
\124\127\103\101\040\122\157\157\164\040\103\145\162\164\151\146
\151\143\141\164\151\157\156\040\101\165\164\150\157\162\151\164
\171
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\001\001
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
#
Certificate "Explicitly Distrust DigiNotar Root CA"
#
# Issuer: E=info@diginotar.nl,CN=DigiNotar Root CA,O=DigiNotar,C=NL
# Serial Number:0f:ff:ff:ff:ff:ff:ff:ff:ff:ff:ff:ff:ff:ff:ff:ff
# Subject: E=info@diginotar.nl,CN=DigiNotar Root CA,O=DigiNotar,C=NL
# Not Valid Before: Fri Jul 27 17:19:37 2007
# Not Valid After : Mon Mar 31 18:19:22 2025
# Fingerprint (MD5): 0A:A4:D5:CC:BA:B4:FB:A3:59:E3:E6:01:DD:53:D9:4E
# Fingerprint (SHA1): C1:77:CB:4B:E0:B4:26:8E:F5:C7:CF:45:99:22:B9:B0:CE:BA:21:2F
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE

```

```
CKA_LABEL UTF8 "Explicitly Distrust DigiNotar Root CA"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\137\061\013\060\011\006\003\125\004\006\023\002\116\114\061
\022\060\020\006\003\125\004\012\023\011\104\151\147\151\116\157
\164\141\162\061\032\060\030\006\003\125\004\003\023\021\104\151
\147\151\116\157\164\141\162\040\122\157\157\164\040\103\101\061
\040\060\036\006\011\052\206\110\206\367\015\001\011\001\026\021
\151\156\146\157\100\144\151\147\151\156\157\164\141\162\056\156
\154
END
CKA_ID
UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\137\061\013\060\011\006\003\125\004\006\023\002\116\114\061
\022\060\020\006\003\125\004\012\023\011\104\151\147\151\116\157
\164\141\162\061\032\060\030\006\003\125\004\003\023\021\104\151
\147\151\116\157\164\141\162\040\122\157\157\164\040\103\101\061
\040\060\036\006\011\052\206\110\206\367\015\001\011\001\026\021
\151\156\146\157\100\144\151\147\151\156\157\164\141\162\056\156
\154
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\017\377\377\377\377\377\377\377\377\377\377\377\377\377
\377\377
END
CKA_VALUE MULTILINE_OCTAL
\060\202\005\212\060\202\003\162\240\003\002\001\002\002\020\017
\377\377\377\377\377\377\377\377\377\377\377\377\377\377\377\060
\015\006\011\052\206\110\206\367\015\001\001\005\005\000\060\137
\061\013\060\011\006\003\125\004\006\023\002\116\114\061\022\060
\020\006\003\125\004\012\023\011\104\151\147\151\116\157\164\141
\162\061\032\060\030\006\003\125\004\003\023\021\104\151\147\151
\116\157\164\141\162\040\122\157\157\164\040\103\101\061\040\060
\036\006\011\052\206\110\206\367\015\001\011\001\026\021\151\156
\146\157\100\144\151\147\151\156\157\164\141\162\056\156\154\060
\036\027\015\060\067\060\067\062\067\061\067\061\071\063\067\132
\027\015\062\065\060\063\063\061\061\070\061\071\062\062\132\060
\137\061\013\060\011\006\003\125\004\006\023\002\116\114\061\022
\060\020\006\003\125\004\012\023\011\104\151\147\151\116\157\164
\141\162\061\032\060\030\006\003\125\004\003\023\021\104\151\147
\151\116\157\164\141\162\040\122\157\157\164\040\103\101\061\040
\060\036\006\011\052\206\110\206\367\015\001\011\001\026\021\151
\156\146\157\100\144\151\147\151\156\157\164\141\162\056\156\154
\060\202\002\042\060\015\006\011\052\206\110\206\367\015\001\001
\001\005\000\003\202\002\017\000\060\202\002\012\002\202\002\001
\000\254\260\130\301\000\275\330\041\010\013\053\232\376\156\126
\060\005\237\033\167\220\020\101\134\303\015\207\021\167\216\201
```

\361\312\174\351\214\152\355\070\164\065\273\332\337\371\273\300
\011\067\264\226\163\201\175\063\032\230\071\367\223\157\225\177
\075\271\261\165\207\272\121\110\350\213\160\076\225\004\305\330
\266\303\026\331\210\260\261\207\035\160\332\206\264\017\024\213
\172\317\020\321\164\066\242\022\173\167\206\112\171\346\173\337
\002\021\150\245\116\206\256\064\130\233\044\023\170\126\042\045
\036\001\213\113\121\161\373\202\314\131\226\151\210\132\150\123
\305\271\015\002\067\313\113\274\146\112\220\176\052\013\005\007
\355\026\137\125\220\165\330\106\311\033\203\342\010\276\361\043
\314\231\035\326\052\017\203\040\025\130\047\202\056\372\342\042
\302\111\261\271\001\201\152\235\155\235\100\167\150\166\116\041
\052\155\204\100\205\116\166\231\174\202\363\363\267\002\131\324
\046\001\033\216\337\255\123\006\321\256\030\335\342\262\072\313
\327\210\070\216\254\133\051\271\031\323\230\371\030\003\317\110
\202\206\146\013\033\151\017\311\353\070\210\172\046\032\005\114
\222\327\044\324\226\362\254\122\055\243\107\325\122\366\077\376
\316\204\006\160\246\252\076\242\362\266\126\064\030\127\242\344
\201\155\347\312\360\152\323\307\221\153\002\203\101\174\025\357
\153\232\144\136\343\320\074\345\261\353\173\135\206\373\313\346
\167\111\315\243\145\334\367\271\234\270\344\013\137\223\317\314
\060\032\062\034\316\034\143\225\245\371\352\341\164\213\236\351
\053\251\060\173\240\030\037\016\030\013\345\133\251\323\321\154
\036\007\147\217\221\113\251\212\274\322\146\252\223\001\210\262
\221\372\061\134\325\246\301\122\010\011\315\012\143\242\323\042
\246\350\241\331\071\006\227\365\156\215\002\220\214\024\173\077
\200\315\033\234\272\304\130\162\043\257\266\126\237\306\172\102
\063\051\007\077\202\311\346\037\005\015\315\114\050\066\213\323
\310\076\034\306\210\357\136\356\211\144\351\035\353\332\211\176
\062\246\151\321\335\314\210\237\321\320\311\146\041\334\006\147
\305\224\172\232\155\142\114\175\314\340\144\200\262\236\107\216
\243\002\003\001\000\001\243\102\060\100\060\017\006\003\125\035
\023\001\001\377\004\005\060\003\001\001\377\060\016\006\003\125
\035\017\001\001\377\004\004\003\002\001\006\060\035\006\003\125
\035\016\004\026\004\024\210\150\277\340\216\065\304\073\070\153
\142\367\050\073\204\201\310\014\327\115\060\015\006\011\052\206
\110\206\367\015\001\001\005\005\000\003\202\002\001\000\073\002
\215\313\074\060\350\156\240\255\362\163\263\137\236\045\023\004
\005\323\366\343\213\273\013\171\316\123\336\344\226\305\321\257
\163\274\325\303\320\100\125\174\100\177\315\033\137\011\325\362
\174\237\150\035\273\135\316\172\071\302\214\326\230\173\305\203
\125\250\325\175\100\312\340\036\367\211\136\143\135\241\023\302
\135\212\266\212\174\000\363\043\303\355\205\137\161\166\360\150
\143\252\105\041\071\110\141\170\066\334\361\103\223\324\045\307
\362\200\145\341\123\002\165\121\374\172\072\357\067\253\204\050
\127\014\330\324\324\231\126\154\343\242\376\131\204\264\061\350
\063\370\144\224\224\121\227\253\071\305\113\355\332\335\200\013
\157\174\051\015\304\216\212\162\015\347\123\024\262\140\101\075
\204\221\061\150\075\047\104\333\345\336\364\372\143\105\310\114


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\076\230\365\077\101\272\116\313\067\015\272\146\230\361\335\313
\237\134\367\124\066\202\153\054\274\023\141\227\102\370\170\273
\314\310\242\237\312\360\150\275\153\035\262\337\215\157\007\235
\332\216\147\307\107\036\312\271\277\052\102\221\267\143\123\146
\361\102\243\341\364\132\115\130\153\265\344\244\063\255\134\160
\035\334\340\362\353\163\024\221\232\003\301\352\000\145\274\007
\374\317\022\021\042\054\256\240\275\072\340\242\052\330\131\351
\051\323\030\065\244\254\021\137\031\265\265\033\377\042\112\134
\306\172\344\027\357\040\251\247\364\077\255\212\247\232\004\045
\235\016\312\067\346\120\375\214\102\051\004\232\354\271\317\113
\162\275\342\010\066\257\043\057\142\345\312\001\323\160\333\174
\202\043\054\026\061\014\306\066\007\220\172\261\037\147\130\304
\073\130\131\211\260\214\214\120\263\330\206\313\150\243\304\012
\347\151\113\040\316\301\036\126\113\225\251\043\150\330\060\330
\303\353\260\125\121\315\345\375\053\270\365\273\021\237\123\124
\366\064\031\214\171\011\066\312\141\027\045\027\013\202\230\163
\014\167\164\303\325\015\307\250\022\114\307\247\124\161\107\056
\054\032\175\311\343\053\073\110\336\047\204\247\143\066\263\175
\217\240\144\071\044\015\075\173\207\257\146\134\164\033\113\163
\262\345\214\360\206\231\270\345\305\337\204\301\267\353
```

END

#

Trust for Certificate "Explicitly Distrust DigiNotar Root CA"

Issuer: E=info@diginotar.nl,CN=DigiNotar Root CA,O=DigiNotar,C=NL

Serial Number:0f:ff:ff:ff:ff:ff:ff:ff:ff:ff:ff:ff:ff:ff:ff

Subject: E=info@diginotar.nl,CN=DigiNotar Root CA,O=DigiNotar,C=NL

Not Valid Before: Fri Jul 27 17:19:37 2007

Not Valid After : Mon Mar 31 18:19:22 2025

Fingerprint (MD5): 0A:A4:D5:CC:BA:B4:FB:A3:59:E3:E6:01:DD:53:D9:4E

Fingerprint (SHA1): C1:77:CB:4B:E0:B4:26:8E:F5:C7:CF:45:99:22:B9:B0:CE:BA:21:2F

CKA_CLASS

CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "Explicitly Distrust DigiNotar Root CA"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\301\167\313\113\340\264\046\216\365\307\317\105\231\042\271\260
\316\272\041\057
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\012\244\325\314\272\264\373\243\131\343\346\001\335\123\331\116
```

END

CKA_ISSUER MULTILINE_OCTAL

```
\060\137\061\013\060\011\006\003\125\004\006\023\002\116\114\061
\022\060\020\006\003\125\004\012\023\011\104\151\147\151\116\157
\164\141\162\061\032\060\030\006\003\125\004\003\023\021\104\151
```


\151\143\141\164\151\157\156\040\122\157\157\164\103\101\062
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\001\000
END
CKA_VALUE MULTILINE_OCTAL
\060\202\003\167\060\202\002\137\240\003\002\001\002\002\001\000
\060\015\006\011\052\206\110\206\367\015\001\001\013\005\000\060
\135\061\013\060\011\006\003\125\004\006\023\002\112\120\061\045
\060\043\006\003\125\004\012\023\034\123\105\103\117\115\040\124
\162\165\163\164\040\123\171\163\164\145\155\163\040\103\117\056
\054\114\124\104\056\061\047\060\045\006\003\125\004\013\023\036
\123\145\143\165\162\151\164\171\040\103\157\155\155\165\156\151
\143\141\164\151\157\156\040\122\157\157\164\103\101\062\060\036
\027\015\060\071\060\065\062\071\060\065\060\060\063\071\132\027
\015\062\071\060\065\062\071\060\065\060\060\063\071\132\060\135
\061\013\060\011\006\003\125\004\006\023\002\112\120\061\045\060
\043\006\003\125\004\012\023\034\123\105\103\117\115\040\124\162
\165\163\164\040\123\171\163\164\145\155\163\040\103\117\056\054
\114\124\104\056\061\047\060\045\006\003\125\004\013\023\036\123
\145\143\165\162\151\164\171\040\103\157\155\155\165\156\151\143
\141\164\151\157\156\040\122\157\157\164\103\101\062\060\202\001
\042\060\015\006\011\052\206\110\206\367\015\001\001\001\005\000
\003\202\001\017\000\060\202\001\012\002\202\001\001\000\320\025
\071\122\261\122\263\272\305\131\202\304\135\122\256\072\103\145
\200\113\307\362\226\274\333\066\227\326\246\144\214\250\136\360
\343\012\034\367\337\227\075\113\256\366\135\354\041\265\101\253
\315\271\176\166\237\276\371\076\066\064\240\073\301\366\061\021
\105\164\223\075\127\200\305\371\211\231\312\345\253\152\324\265
\332\101\220\020\301\326\326\102\211\302\277\364\070\022\225\114
\124\005\367\066\344\105\203\173\024\145\326\334\014\115\321\336
\176\014\253\073\304\025\276\072\126\246\132\157\166\151\122\251
\172\271\310\353\152\232\135\122\320\055\012\153\065\026\011\020
\204\320\152\312\072\006\000\067\107\344\176\127\117\077\213\353
\147\270\210\252\305\276\123\125\262\221\304\175\271\260\205\031
\006\170\056\333\141\032\372\205\365\112\221\241\347\026\325\216
\242\071\337\224\270\160\037\050\077\213\374\100\136\143\203\074
\203\052\032\231\153\317\336\131\152\073\374\157\026\327\037\375
\112\020\353\116\202\026\072\254\047\014\123\361\255\325\044\260
\153\003\120\301\055\074\026\335\104\064\047\032\165\373\002\003
\001\000\001\243\102\060\100\060\035\006\003\125\035\016\004\026
\004\024\012\205\251\167\145\005\230\174\100\201\370\017\227\054
\070\361\012\354\074\317\060\016\006\003\125\035\017\001\001\377
\004\004\003\002\001\006\060\017\006\003\125\035\023\001\001\377
\004\005\060\003\001\001\377\060\015\006\011\052\206\110\206\367
\015\001\001\013\005\000\003\202\001\001\000\114\072\243\104\254
\271\105\261\307\223\176\310\013\012\102\337\144\352\034\356\131
\154\010\272\211\137\152\312\112\225\236\172\217\007\305\332\105

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\162\202\161\016\072\322\314\157\247\264\241\043\273\366\044\237
\313\027\376\214\246\316\302\322\333\314\215\374\161\374\003\051
\301\154\135\063\137\144\266\145\073\211\157\030\166\170\365\334
\242\110\037\031\077\216\223\353\361\372\027\356\315\116\343\004
\022\125\326\345\344\335\373\076\005\174\342\035\136\306\247\274
\227\117\150\072\365\351\056\012\103\266\257\127\134\142\150\174
\267\375\243\212\204\240\254\142\276\053\011\207\064\360\152\001
\273\233\051\126\074\376\000\067\317\043\154\361\116\252\266\164
\106\022\154\221\356\064\325\354\232\221\347\104\276\220\061\162
\325\111\002\366\002\345\364\037\353\174\331\226\125\251\377\354
\212\371\231\107\377\065\132\002\252\004\313\212\133\207\161\051
\221\275\244\264\172\015\275\232\365\127\043\000\007\041\027\077
\112\071\321\005\111\013\247\266\067\201\245\135\214\252\063\136
\201\050\174\247\175\047\353\000\256\215\067
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "Security Communication RootCA2"

Issuer: OU=Security Communication RootCA2,O="SECOM Trust Systems CO.,LTD.",C=JP

Serial Number: 0 (0x0)

Subject: OU=Security Communication RootCA2,O="SECOM Trust Systems CO.,LTD.",C=JP

Not Valid Before: Fri May 29 05:00:39 2009

Not Valid After : Tue May 29 05:00:39 2029

Fingerprint (SHA-256):

51:3B:2C:EC:B8:10:D4:CD:E5:DD:85:39:1A:DF:C6:C2:DD:60:D8:7B:B7:36:D2:B5:21:48:4A:A4:7A:0E:BE:F6

#

Fingerprint (SHA1): 5F:3B:8C:F2:F8:10:B3:7D:78:B4:CE:EC:19:19:C3:73:34:B9:C7:74

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "Security Communication RootCA2"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\137\073\214\362\370\020\263\175\170\264\316\354\031\031\303\163
\064\271\307\164
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\154\071\175\244\016\125\131\262\077\326\101\261\022\120\336\103
```

END

CKA_ISSUER MULTILINE_OCTAL

```
\060\135\061\013\060\011\006\003\125\004\006\023\002\112\120\061
\045\060\043\006\003\125\004\012\023\034\123\105\103\117\115\040
\124\162\165\163\164\040\123\171\163\164\145\155\163\040\103\117
\056\054\114\124\104\056\061\047\060\045\006\003\125\004\013\023
\036\123\145\143\165\162\151\164\171\040\103\157\155\155\165\156
```

```

\151\143\141\164\151\157\156\040\122\157\157\164\103\101\062
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\001\000
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "Actalis Authentication Root CA"
#
# Issuer: CN=Actalis Authentication Root CA,O=Actalis S.p.A./03358520967,L=Milan,C=IT
# Serial Number:57:0a:11:97:42:c4:e3:cc
# Subject: CN=Actalis Authentication Root CA,O=Actalis S.p.A./03358520967,L=Milan,C=IT
# Not Valid Before: Thu Sep 22 11:22:02 2011
# Not Valid After : Sun Sep 22 11:22:02 2030
# Fingerprint (SHA-256):
55:92:60:84:EC:96:3A:64:B9:6E:2A:BE:01:CE:0B:A8:6A:64:FB:FE:BC:C7:AA:B5:AF:C1:55:B3:7F:D7:60:66
# Fingerprint (SHA1): F3:73:B3:87:06:5A:28:84:8A:F2:F3:4A:CE:19:2B:DD:C7:8E:9C:AC
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Actalis Authentication Root CA"
CKA_CERTIFICATE_TYPE
CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\153\061\013\060\011\006\003\125\004\006\023\002\111\124\061
\016\060\014\006\003\125\004\007\014\005\115\151\154\141\156\061
\043\060\041\006\003\125\004\012\014\032\101\143\164\141\154\151
\163\040\123\056\160\056\101\056\057\060\063\063\065\070\065\062
\060\071\066\067\061\047\060\045\006\003\125\004\003\014\036\101
\143\164\141\154\151\163\040\101\165\164\150\145\156\164\151\143
\141\164\151\157\156\040\122\157\157\164\040\103\101
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\153\061\013\060\011\006\003\125\004\006\023\002\111\124\061
\016\060\014\006\003\125\004\007\014\005\115\151\154\141\156\061
\043\060\041\006\003\125\004\012\014\032\101\143\164\141\154\151
\163\040\123\056\160\056\101\056\057\060\063\063\065\070\065\062
\060\071\066\067\061\047\060\045\006\003\125\004\003\014\036\101
\143\164\141\154\151\163\040\101\165\164\150\145\156\164\151\143
\141\164\151\157\156\040\122\157\157\164\040\103\101
END

```

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

\002\010\127\012\021\227\102\304\343\314

END

CKA_VALUE MULTILINE_OCTAL

\060\202\005\273\060\202\003\243\240\003\002\001\002\002\010\127
\012\021\227\102\304\343\314\060\015\006\011\052\206\110\206\367
\015\001\001\013\005\000\060\153\061\013\060\011\006\003\125\004
\006\023\002\111\124\061\016\060\014\006\003\125\004\007\014\005
\115\151\154\141\156\061\043\060\041\006\003\125\004\012\014\032
\101\143\164\141\154\151\163\040\123\056\160\056\101\056\057\060
\063\063\065\070\065\062\060\071\066\067\061\047\060\045\006\003
\125\004\003\014\036\101\143\164\141\154\151\163\040\101\165\164
\150\145\156\164\151\143\141\164\151\157\156\040\122\157\157\164
\040\103\101\060\036\027\015\061\061\060\071\062\062\061\061\062
\062\060\062\132\027\015\063\060\060\071\062\062\061\061\062\062
\060\062\132\060\153\061\013\060\011\006\003\125\004\006\023\002
\111\124\061\016\060\014\006\003\125\004\007\014\005\115\151\154
\141\156\061\043\060\041\006\003\125\004\012\014\032\101\143\164
\141\154\151\163\040\123\056\160\056\101\056\057\060\063\063\065
\070\065\062\060\071\066\067\061\047\060\045\006\003\125\004\003
\014\036\101\143\164\141\154\151\163\040\101\165\164\150\145\156
\164\151\143\141\164\151\157\156\040\122\157\157\164\040\103\101
\060\202\002\042\060\015\006\011\052\206\110\206\367\015\001\001
\001\005\000\003\202\002\017\000\060\202\002\012\002\202\002\001
\000\247\306\304\245\051\244\054\357\345\030\305\260\120\243\157
\121\073\237\012\132\311\302\110\070\012\302\034\240\030\177\221
\265\207\271\100\077\335\035\150\037\010\203\325\055\036\210\240
\370\217\126\217\155\231\002\222\220\026\325\137\010\154\211\327
\341\254\274\040\302\261\340\203\121\212\151\115\000\226\132\157
\057\300\104\176\243\016\344\221\315\130\356\334\373\307\036\105
\107\335\047\271\010\001\237\246\041\035\365\101\055\057\114\375
\050\255\340\212\255\042\264\126\145\216\206\124\217\223\103\051
\336\071\106\170\243\060\043\272\315\360\175\023\127\300\135\322
\203\153\110\114\304\253\237\200\132\133\072\275\311\247\042\077
\200\047\063\133\016\267\212\014\135\007\067\010\313\154\322\172
\107\042\104\065\305\314\314\056\216\335\052\355\267\175\146\015
\137\141\121\042\125\033\343\106\343\343\075\320\065\142\232\333
\257\024\310\133\241\314\211\033\341\060\046\374\240\233\037\201
\247\107\037\004\353\243\071\222\006\237\231\323\277\323\352\117
\120\234\031\376\226\207\036\074\145\366\243\030\044\203\206\020
\347\124\076\250\072\166\044\117\201\041\305\343\017\002\370\223
\224\107\040\273\376\324\016\323\150\271\335\304\172\204\202\343
\123\124\171\335\333\234\322\362\007\233\056\266\274\076\355\205
\155\357\045\021\362\227\032\102\141\367\112\227\350\213\261\020
\007\372\145\201\262\242\071\317\367\074\377\030\373\306\361\132
\213\131\342\002\254\173\222\320\116\024\117\131\105\366\014\136
\050\137\260\350\077\105\317\317\257\233\157\373\204\323\167\132

\225\157\254\224\204\236\356\274\300\112\217\112\223\370\104\041
\342\061\105\141\120\116\020\330\343\065\174\114\031\264\336\005
\277\243\006\237\310\265\315\344\037\327\027\006\015\172\225\164
\125\015\150\032\374\020\033\142\144\235\155\340\225\240\303\224
\007\127\015\024\346\275\005\373\270\237\346\337\213\342\306\347
\176\226\366\123\305\200\064\120\050\130\360\022\120\161\027\060
\272\346\170\143\274\364\262\255\233\053\262\376\341\071\214\136
\272\013\040\224\336\173\203\270\377\343\126\215\267\021\351\073
\214\362\261\301\135\235\244\013\114\053\331\262\030\365\265\237
\113\002\003\001\000\001\243\143\060\141\060\035\006\003\125\035
\016\004\026\004\024\122\330\210\072\310\237\170\146\355\211\363
\173\070\160\224\311\002\002\066\320\060\017\006\003\125\035\023
\001\001\377\004\005\060\003\001\001\377\060\037\006\003\125\035
\043\004\030\060\026\200\024\122\330\210\072\310\237\170\146\355
\211\363\173\070\160\224\311\002\002\066\320\060\016\006\003\125
\035\017\001\001\377\004\004\003\002\001\006\060\015\006\011\052
\206\110\206\367\015\001\001\013\005\000\003\202\002\001\000\013
\173\162\207\300\140\246\111\114\210\130\346\035\210\367\024\144
\110\246\330\130\012\016\117\023\065\337\065\035\324\355\006\061
\310\201\076\152\325\335\073\032\062\356\220\075\021\322\056\364
\216\303\143\056\043\146\260\147\276\157\266\300\023\071\140\252
\242\064\045\223\165\122\336\247\235\255\016\207\211\122\161\152
\026\074\031\035\203\370\232\051\145\276\364\077\232\331\360\363
\132\207\041\161\200\115\313\340\070\233\077\273\372\340\060\115
\317\206\323\145\020\031\030\321\227\002\261\053\162\102\150\254
\240\275\116\132\332\030\277\153\230\201\320\375\232\276\136\025
\110\315\021\025\271\300\051\134\264\350\210\367\076\066\256\267
\142\375\036\142\336\160\170\020\034\110\133\332\274\244\070\272
\147\355\125\076\136\127\337\324\003\100\114\201\244\322\117\143
\247\011\102\011\024\374\000\251\302\200\163\117\056\300\100\331
\021\173\110\352\172\002\300\323\353\050\001\046\130\164\301\300
\163\042\155\223\225\375\071\175\273\052\343\366\202\343\054\227
\137\116\037\221\224\372\376\054\243\330\166\032\270\115\262\070
\117\233\372\035\110\140\171\046\342\363\375\251\320\232\350\160
\217\111\172\326\345\275\012\016\333\055\363\215\277\353\343\244
\175\313\307\225\161\350\332\243\174\305\302\370\164\222\004\033
\206\254\244\042\123\100\266\254\376\114\166\317\373\224\062\300
\065\237\166\077\156\345\220\156\240\246\046\242\270\054\276\321
\053\205\375\247\150\310\272\001\053\261\154\164\035\270\163\225
\347\356\267\307\045\360\000\114\000\262\176\266\013\213\034\363
\300\120\236\045\271\340\010\336\066\146\377\067\245\321\273\124
\144\054\311\047\265\113\222\176\145\377\323\055\341\271\116\274
\177\244\101\041\220\101\167\246\071\037\352\236\343\237\320\146
\157\005\354\252\166\176\277\153\026\240\353\265\307\374\222\124
\057\053\021\047\045\067\170\114\121\152\260\363\314\130\135\024
\361\152\110\025\377\302\007\266\261\215\017\216\134\120\106\263
\075\277\001\230\117\262\131\124\107\076\064\173\170\155\126\223
\056\163\352\146\050\170\315\035\024\277\240\217\057\056\270\056

```

\216\362\024\212\314\351\265\174\373\154\235\014\245\341\226
END
CKA_NSS_MOZILLA_CA_POLICY
CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

# Trust for "Actalis Authentication Root CA"
# Issuer: CN=Actalis Authentication Root CA,O=Actalis S.p.A./03358520967,L=Milan,C=IT
# Serial Number:57:0a:11:97:42:c4:e3:cc
# Subject: CN=Actalis Authentication Root CA,O=Actalis S.p.A./03358520967,L=Milan,C=IT
# Not Valid Before: Thu Sep 22 11:22:02 2011
# Not Valid After : Sun Sep 22 11:22:02 2030
# Fingerprint (SHA-256):
55:92:60:84:EC:96:3A:64:B9:6E:2A:BE:01:CE:0B:A8:6A:64:FB:FE:BC:C7:AA:B5:AF:C1:55:B3:7F:D7:60:66
# Fingerprint (SHA1): F3:73:B3:87:06:5A:28:84:8A:F2:F3:4A:CE:19:2B:DD:C7:8E:9C:AC
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Actalis Authentication Root CA"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\363\163\263\207\006\132\050\204\212\362\363\112\316\031\053\335
\307\216\234\254
END
CKA_CERT_MD5_HASH
MULTILINE_OCTAL
\151\301\015\117\007\243\033\303\376\126\075\004\274\021\366\246
END
CKA_ISSUER MULTILINE_OCTAL
\060\153\061\013\060\011\006\003\125\004\006\023\002\111\124\061
\016\060\014\006\003\125\004\007\014\005\115\151\154\141\156\061
\043\060\041\006\003\125\004\012\014\032\101\143\164\141\154\151
\163\040\123\056\160\056\101\056\057\060\063\063\065\070\065\062
\060\071\066\067\061\047\060\045\006\003\125\004\003\014\036\101
\143\164\141\154\151\163\040\101\165\164\150\145\156\164\151\143
\141\164\151\157\156\040\122\157\157\164\040\103\101
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\010\127\012\021\227\102\304\343\314
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "Buypass Class 2 Root

```



```

CA"
#
# Issuer: CN=Buypass Class 2 Root CA,O=Buypass AS-983163327,C=NO
# Serial Number: 2 (0x2)
# Subject: CN=Buypass Class 2 Root CA,O=Buypass AS-983163327,C=NO
# Not Valid Before: Tue Oct 26 08:38:03 2010
# Not Valid After : Fri Oct 26 08:38:03 2040
# Fingerprint (SHA-256):
9A:11:40:25:19:7C:5B:B9:5D:94:E6:3D:55:CD:43:79:08:47:B6:46:B2:3C:DF:11:AD:A4:A0:0E:FF:15:FB:48
# Fingerprint (SHA1): 49:0A:75:74:DE:87:0A:47:FE:58:EE:F6:C7:6B:EB:C6:0B:12:40:99
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Buypass Class 2 Root CA"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\116\061\013\060\011\006\003\125\004\006\023\002\116\117\061
\035\060\033\006\003\125\004\012\014\024\102\165\171\160\141\163
\163\040\101\123\055\071\070\063\061\066\063\063\062\067\061\040
\060\036\006\003\125\004\003\014\027\102\165\171\160\141\163\163
\040\103\154\141\163\163\040\062\040\122\157\157\164\040\103\101
END
CKA_ID
UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\116\061\013\060\011\006\003\125\004\006\023\002\116\117\061
\035\060\033\006\003\125\004\012\014\024\102\165\171\160\141\163
\163\040\101\123\055\071\070\063\061\066\063\063\062\067\061\040
\060\036\006\003\125\004\003\014\027\102\165\171\160\141\163\163
\040\103\154\141\163\163\040\062\040\122\157\157\164\040\103\101
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\001\002
END
CKA_VALUE MULTILINE_OCTAL
\060\202\005\131\060\202\003\101\240\003\002\001\002\002\001\002
\060\015\006\011\052\206\110\206\367\015\001\001\013\005\000\060
\116\061\013\060\011\006\003\125\004\006\023\002\116\117\061\035
\060\033\006\003\125\004\012\014\024\102\165\171\160\141\163\163
\040\101\123\055\071\070\063\061\066\063\063\062\067\061\040\060
\036\006\003\125\004\003\014\027\102\165\171\160\141\163\163\040
\103\154\141\163\163\040\062\040\122\157\157\164\040\103\101\060
\036\027\015\061\060\061\060\062\066\060\070\063\070\060\063\132
\027\015\064\060\061\060\062\066\060\070\063\070\060\063\132\060
\116\061\013\060\011\006\003\125\004\006\023\002\116\117\061\035
\060\033\006\003\125\004\012\014\024\102\165\171\160\141\163\163
\040\101\123\055\071\070\063\061\066\063\063\062\067\061\040\060

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\036\006\003\125\004\003\014\027\102\165\171\160\141\163\163\040
\103\154\141\163\163\040\062\040\122\157\157\164\040\103\101\060
\202\002\042\060\015\006\011\052\206\110\206\367\015\001\001\001
\005\000\003\202\002\017\000\060\202\002\012\002\202\002\001\000
\327\307\136\367\301\007\324\167\373\103\041\364\364\365\151\344
\356\062\001\333\243\206\037\344\131\015\272\347\165\203\122\353
\352\034\141\025\110\273\035\007\312\214\256\260\334\226\235\352
\303\140\222\206\202\050\163\234\126\006\377\113\144\360\014\052
\067\111\265\345\317\014\174\356\361\112\273\163\060\145\363\325
\057\203\266\176\343\347\365\236\253\140\371\323\361\235\222\164
\212\344\034\226\254\133\200\351\265\364\061\207\243\121\374\307
\176\241\157\216\123\167\324\227\301\125\063\222\076\030\057\165
\324\255\206\111\313\225\257\124\006\154\330\006\023\215\133\377
\341\046\031\131\300\044\272\201\161\171\220\104\120\150\044\224
\137\270\263\021\361\051\101\141\243\101\313\043\066\325\301\361
\062\120\020\116\177\364\206\223\354\204\323\216\274\113\277\134
\001\116\007\075\334\024\212\224\012\244\352\163\373\013\121\350
\023\007\030\372\016\361\053\321\124\025\175\074\341\367\264\031
\102\147\142\136\167\340\242\125\354\266\331\151\027\325\072\257
\104\355\112\305\236\344\172\047\174\345\165\327\252\313\045\347
\337\153\012\333\017\115\223\116\250\240\315\173\056\362\131\001
\152\267\015\270\007\201\176\213\070\033\070\346\012\127\231\075
\356\041\350\243\365\014\026\335\213\354\064\216\234\052\034\000
\025\027\215\150\203\322\160\237\030\010\315\021\150\325\311\153
\122\315\304\106\217\334\265\363\330\127\163\036\351\224\071\004
\277\323\336\070\336\264\123\354\151\034\242\176\304\217\344\033
\160\255\362\242\371\373\367\026\144\146\151\237\111\121\242\342
\025\030\147\006\112\177\325\154\265\115\263\063\340\141\353\135
\276\351\230\017\062\327\035\113\074\056\132\001\122\221\011\362
\337\352\215\330\006\100\143\252\021\344\376\303\067\236\024\122
\077\364\342\314\362\141\223\321\375\147\153\327\122\256\277\150
\253\100\103\240\127\065\123\170\360\123\370\141\102\007\144\306
\327\157\233\114\070\015\143\254\142\257\066\213\242\163\012\015
\365\041\275\164\252\115\352\162\003\111\333\307\137\035\142\143
\307\375\335\221\354\063\356\365\155\264\156\060\150\336\310\326
\046\260\165\136\173\264\007\040\230\241\166\062\270\115\154\117
\002\003\001\000\001\243\102\060\100\060\017\006\003\125\035\023
\001\001\377\004\005\060\003\001\001\377\060\035\006\003\125\035
\016\004\026\004\024\311\200\167\340\142\222\202\365\106\234\363
\272\367\114\303\336\270\243\255\071\060\016\006\003\125\035\017
\001\001\377\004\004\003\002\001\006\060\015\006\011\052\206\110
\206\367\015\001\001\013\005\000\003\202\002\001\000\123\137\041
\365\272\260\072\122\071\054\222\260\154\000\311\357\316\040\357
\006\362\226\236\351\244\164\177\172\026\374\267\365\266\373\025
\033\077\253\246\300\162\135\020\261\161\356\274\117\343\255\254
\003\155\056\161\056\257\304\343\255\243\275\014\021\247\264\377
\112\262\173\020\020\037\247\127\101\262\300\256\364\054\131\326
\107\020\210\363\041\121\051\060\312\140\206\257\106\253\035\355

\072\133\260\224\336\104\343\101\010\242\301\354\035\326\375\117
\266\326\107\320\024\013\312\346\312\265\173\167\176\101\037\136
\203\307\266\214\071\226\260\077\226\201\101\157\140\220\342\350
\371\373\042\161\331\175\263\075\106\277\264\204\257\220\034\017
\217\022\152\257\357\356\036\172\256\002\112\212\027\053\166\376
\254\124\211\044\054\117\077\266\262\247\116\214\250\221\227\373
\051\306\173\134\055\271\313\146\266\267\250\133\022\121\205\265
\011\176\142\170\160\376\251\152\140\266\035\016\171\014\375\312
\352\044\200\162\303\227\077\362\167\253\103\042\012\307\353\266
\014\204\202\054\200\153\101\212\010\300\353\245\153\337\231\022
\313\212\325\136\200\014\221\340\046\010\066\110\305\372\070\021
\065\377\045\203\055\362\172\277\332\375\216\376\245\313\105\054
\037\304\210\123\256\167\016\331\232\166\305\216\054\035\243\272
\325\354\062\256\300\252\254\367\321\172\115\353\324\007\342\110
\367\042\216\260\244\237\152\316\216\262\262\140\364\243\042\320
\043\353\224\132\172\151\335\017\277\100\127\254\153\131\120\331
\243\231\341\156\376\215\001\171\047\043\025\336\222\235\173\011
\115\132\347\113\110\060\132\030\346\012\155\346\217\340\322\273
\346\337\174\156\041\202\301\150\071\115\264\230\130\146\142\314
\112\220\136\303\372\047\004\261\171\025\164\231\314\276\255\040
\336\046\140\034\353\126\121\246\243\352\344\243\077\247\377\141
\334\361\132\115\154\062\043\103\356\254\250\356\356\112\022\011
\074\135\161\302\276\171\372\302\207\150\035\013\375\134\151\314
\006\320\232\175\124\231\052\311\071\032\031\257\113\052\103\363
\143\135\132\130\342\057\343\035\344\251\326\320\012\320\236\277
\327\201\011\361\311\307\046\015\254\230\026\126\240

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "Buypass Class 2 Root CA"

Issuer: CN=Buypass Class 2 Root CA,O=Buypass AS-983163327,C=NO

Serial Number: 2 (0x2)

Subject: CN=Buypass Class 2 Root CA,O=Buypass AS-983163327,C=NO

Not Valid Before: Tue Oct 26 08:38:03 2010

Not Valid After : Fri Oct 26 08:38:03 2040

Fingerprint (SHA-256):

9A:11:40:25:19:7C:5B:B9:5D:94:E6:3D:55:CD:43:79:08:47:B6:46:B2:3C:DF:11:AD:A4:A0:0E:FF:15:FB:48

Fingerprint (SHA1): 49:0A:75:74:DE:87:0A:47:FE:58:EE:F6:C7:6B:EB:C6:0B:12:40:99

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "Buypass Class 2 Root CA"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

\111\012\165\164\336\207\012\107\376\130\356\366\307\153\353\306

```

\013\022\100\231
END
CKA_CERT_MD5_HASH
MULTILINE_OCTAL
\106\247\322\376\105\373\144\132\250\131\220\233\170\104\233\051
END
CKA_ISSUER MULTILINE_OCTAL
\060\116\061\013\060\011\006\003\125\004\006\023\002\116\117\061
\035\060\033\006\003\125\004\012\014\024\102\165\171\160\141\163
\163\040\101\123\055\071\070\063\061\066\063\063\062\067\061\040
\060\036\006\003\125\004\003\014\027\102\165\171\160\141\163\163
\040\103\154\141\163\163\040\062\040\122\157\157\164\040\103\101
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\001\002
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "Buypass Class 3 Root CA"
#
# Issuer: CN=Buypass Class 3 Root CA,O=Buypass AS-983163327,C=NO
# Serial Number: 2 (0x2)
# Subject: CN=Buypass Class 3 Root CA,O=Buypass AS-983163327,C=NO
# Not Valid Before: Tue Oct 26 08:28:58 2010
# Not Valid After : Fri Oct 26 08:28:58
2040
# Fingerprint (SHA-256):
ED:F7:EB:BC:A2:7A:2A:38:4D:38:7B:7D:40:10:C6:66:E2:ED:B4:84:3E:4C:29:B4:AE:1D:5B:93:32:E6:B2:4D
# Fingerprint (SHA1): DA:FA:F7:FA:66:84:EC:06:8F:14:50:BD:C7:C2:81:A5:BC:A9:64:57
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Buypass Class 3 Root CA"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\116\061\013\060\011\006\003\125\004\006\023\002\116\117\061
\035\060\033\006\003\125\004\012\014\024\102\165\171\160\141\163
\163\040\101\123\055\071\070\063\061\066\063\063\062\067\061\040
\060\036\006\003\125\004\003\014\027\102\165\171\160\141\163\163
\040\103\154\141\163\163\040\063\040\122\157\157\164\040\103\101
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL

```

\060\116\061\013\060\011\006\003\125\004\006\023\002\116\117\061
\035\060\033\006\003\125\004\012\014\024\102\165\171\160\141\163
\163\040\101\123\055\071\070\063\061\066\063\063\062\067\061\040
\060\036\006\003\125\004\003\014\027\102\165\171\160\141\163\163
\040\103\154\141\163\163\040\063\040\122\157\157\164\040\103\101
END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

\002\001\002

END

CKA_VALUE MULTILINE_OCTAL

\060\202\005\131\060\202\003\101\240\003\002\001\002\002\001\002
\060\015\006\011\052\206\110\206\367\015\001\001\013\005\000\060
\116\061\013\060\011\006\003\125\004\006\023\002\116\117\061\035
\060\033\006\003\125\004\012\014\024\102\165\171\160\141\163\163
\040\101\123\055\071\070\063\061\066\063\063\062\067\061\040\060
\036\006\003\125\004\003\014\027\102\165\171\160\141\163\163\040
\103\154\141\163\163\040\063\040\122\157\157\164\040\103\101\060
\036\027\015\061\060\061\060\062\066\060\070\062\070\065\070\132
\027\015\064\060\061\060\062\066\060\070\062\070\065\070\132\060
\116\061\013\060\011\006\003\125\004\006\023\002\116\117\061\035
\060\033\006\003\125\004\012\014\024\102\165\171\160\141\163\163
\040\101\123\055\071\070\063\061\066\063\063\062\067\061\040\060
\036\006\003\125\004\003\014\027\102\165\171\160\141\163\163\040
\103\154\141\163\163\040\063\040\122\157\157\164\040\103\101\060
\202\002\042\060\015\006\011\052\206\110\206\367\015\001\001\001
\005\000\003\202\002\017\000\060\202\002\012\002\202\002\001\000
\245\332\012\225\026\120\343\225\362\136\235\166\061\006\062\172
\233\361\020\166\270\000\232\265\122\066\315\044\107\260\237\030
\144\274\232\366\372\325\171\330\220\142\114\042\057\336\070\075
\326\340\250\351\034\054\333\170\021\351\216\150\121\025\162\307
\363\063\207\344\240\135\013\134\340\127\007\052\060\365\315\304
\067\167\050\115\030\221\346\277\325\122\375\161\055\160\076\347
\306\304\212\343\360\050\013\364\166\230\241\213\207\125\262\072
\023\374\267\076\047\067\216\042\343\250\117\052\357\140\273\075
\267\071\303\016\001\107\231\135\022\117\333\103\372\127\241\355
\371\235\276\021\107\046\133\023\230\253\135\026\212\260\067\034
\127\235\105\377\210\226\066\277\273\312\007\173\157\207\143\327
\320\062\152\326\135\154\014\361\263\156\071\342\153\061\056\071
\000\047\024\336\070\300\354\031\146\206\022\350\235\162\026\023
\144\122\307\251\067\034\375\202\060\355\204\030\035\364\256\134
\377\160\023\000\353\261\365\063\172\113\326\125\370\005\215\113
\151\260\365\263\050\066\134\024\304\121\163\115\153\013\361\064
\007\333\027\071\327\334\050\173\153\365\237\363\056\301\117\027
\052\020\363\314\312\350\353\375\153\253\056\232\237\055\202\156
\004\324\122\001\223\055\075\206\374\176\374\337\357\102\035\246
\153\357\271\040\306\367\275\240\247\225\375\247\346\211\044\330
\314\214\064\154\342\043\057\331\022\032\041\271\125\221\157\013

\221\171\031\014\255\100\210\013\160\342\172\322\016\330\150\110
\273\202\023\071\020\130\351\330\052\007\306\022\333\130\333\322
\073\125\020\107\005\025\147\142\176\030\143\246\106\077\011\016
\124\062\136\277\015\142\172\047\357\200\350\333\331\113\006\132
\067\132\045\320\010\022\167\324\157\011\120\227\075\310\035\303
\337\214\105\060\126\306\323\144\253\146\363\300\136\226\234\303
\304\357\303\174\153\213\072\171\177\263\111\317\075\342\211\237
\240\060\113\205\271\234\224\044\171\217\175\153\251\105\150\017
\053\320\361\332\034\313\151\270\312\111\142\155\310\320\143\142
\335\140\017\130\252\217\241\274\005\245\146\242\317\033\166\262
\204\144\261\114\071\122\300\060\272\360\214\113\002\260\266\267
\002\003\001\000\001\243\102\060\100\060\017\006\003\125\035\023
\001\001\377\004\005\060\003\001\001\377\060\035\006\003\125\035
\016\004\026\004\024\107\270\315\377\345\157\356\370\262\354\057
\116\016\371\045\260\216\074\153\303\060\016\006\003\125\035\017
\001\001\377\004\004\003\002\001\006\060\015\006\011\052\206\110
\206\367\015\001\001\013\005\000\003\202\002\001\000\000\040\043
\101\065\004\220\302\100\142\140\357\342\065\114\327\077\254\342
\064\220\270\241\157\166\372\026\026\244\110\067\054\351\220\302
\362\074\370\012\237\330\201\345\273\133\332\045\054\244\247\125
\161\044\062\366\310\013\362\274\152\370\223\254\262\007\302\137
\237\333\314\310\212\252\276\152\157\341\111\020\314\061\327\200
\273\273\310\330\242\016\144\127\352\242\365\302\251\061\025\322
\040\152\354\374\042\001\050\317\206\270\200\036\251\314\021\245
\074\362\026\263\107\235\374\322\200\041\304\313\320\107\160\101
\241\312\203\031\010\054\155\362\135\167\234\212\024\023\324\066
\034\222\360\345\006\067\334\246\346\220\233\070\217\134\153\033
\106\206\103\102\137\076\001\007\123\124\135\145\175\367\212\163
\241\232\124\132\037\051\103\024\047\302\205\017\265\210\173\032
\073\224\267\035\140\247\265\234\347\051\151\127\132\233\223\172
\103\060\033\003\327\142\310\100\246\252\374\144\344\112\327\221
\123\001\250\040\210\156\234\137\104\271\313\140\201\064\354\157
\323\175\332\110\137\353\264\220\274\055\251\034\013\254\034\325
\242\150\040\200\004\326\374\261\217\057\273\112\061\015\112\206
\034\353\342\066\051\046\365\332\330\304\362\165\141\317\176\256
\166\143\112\172\100\145\223\207\370\036\200\214\206\345\206\326
\217\016\374\123\054\140\350\026\141\032\242\076\103\173\315\071
\140\124\152\365\362\211\046\001\150\203\110\242\063\350\311\004
\221\262\021\064\021\076\352\320\103\031\037\003\223\220\014\377
\121\075\127\364\101\156\341\313\240\276\353\311\143\315\155\314
\344\370\066\252\150\235\355\275\135\227\160\104\015\266\016\065
\334\341\014\135\273\240\121\224\313\176\026\353\021\057\243\222
\105\310\114\161\331\274\311\231\122\127\106\057\120\317\275\065
\151\364\075\025\316\006\245\054\017\076\366\201\272\224\273\303
\273\277\145\170\322\206\171\377\111\073\032\203\014\360\336\170
\354\310\362\115\114\032\336\202\051\370\301\132\332\355\356\346
\047\136\350\105\320\235\034\121\250\150\253\104\343\320\213\152
\343\370\073\273\334\115\327\144\362\121\276\346\252\253\132\351

```

\061\356\006\274\163\277\023\142\012\237\307\271\227
END
CKA_NSS_MOZILLA_CA_POLICY
CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

# Trust for "Buypass Class 3 Root CA"
#
Issuer: CN=Buypass Class 3 Root CA,O=Buypass AS-983163327,C=NO
# Serial Number: 2 (0x2)
# Subject: CN=Buypass Class 3 Root CA,O=Buypass AS-983163327,C=NO
# Not Valid Before: Tue Oct 26 08:28:58 2010
# Not Valid After : Fri Oct 26 08:28:58 2040
# Fingerprint (SHA-256):
ED:F7:EB:BC:A2:7A:2A:38:4D:38:7B:7D:40:10:C6:66:E2:ED:B4:84:3E:4C:29:B4:AE:1D:5B:93:32:E6:B2:4D
# Fingerprint (SHA1): DA:FA:F7:FA:66:84:EC:06:8F:14:50:BD:C7:C2:81:A5:BC:A9:64:57
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Buypass Class 3 Root CA"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\332\372\367\372\146\204\354\006\217\024\120\275\307\302\201\245
\274\251\144\127
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\075\073\030\236\054\144\132\350\325\210\316\016\371\067\302\354
END
CKA_ISSUER MULTILINE_OCTAL
\060\116\061\013\060\011\006\003\125\004\006\023\002\116\117\061
\035\060\033\006\003\125\004\012\014\024\102\165\171\160\141\163
\163\040\101\123\055\071\070\063\061\066\063\063\062\067\061\040
\060\036\006\003\125\004\003\014\027\102\165\171\160\141\163\163
\040\103\154\141\163\163\040\063\040\122\157\157\164\040\103\101
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\001\002
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "T-TeleSec GlobalRoot Class 3"
#

```

```
# Issuer: CN=T-TeleSec GlobalRoot Class 3,OU=T-Systems Trust Center,O=T-Systems Enterprise Services
GmbH,C=DE
# Serial Number: 1 (0x1)
# Subject: CN=T-TeleSec GlobalRoot Class 3,OU=T-Systems Trust Center,O=T-Systems Enterprise Services
GmbH,C=DE
# Not Valid Before: Wed Oct 01 10:29:56 2008
# Not Valid After : Sat Oct 01 23:59:59 2033
# Fingerprint (SHA-256):
FD:73:DA:D3:1C:64:4F:F1:B4:3B:EF:0C:CD:DA:96:71:0B:9C:D9:87:5E:CA:7E:31:70:7A:F3:E9:6D:52:2B:BD
# Fingerprint (SHA1):
55:A6:72:3E:CB:F2:EC:CD:C3:23:74:70:19:9D:2A:BE:11:E3:81:D1
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "T-TeleSec GlobalRoot Class 3"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\202\061\013\060\011\006\003\125\004\006\023\002\104\105
\061\053\060\051\006\003\125\004\012\014\042\124\055\123\171\163
\164\145\155\163\040\105\156\164\145\162\160\162\151\163\145\040
\123\145\162\166\151\143\145\163\040\107\155\142\110\061\037\060
\035\006\003\125\004\013\014\026\124\055\123\171\163\164\145\155
\163\040\124\162\165\163\164\040\103\145\156\164\145\162\061\045
\060\043\006\003\125\004\003\014\034\124\055\124\145\154\145\123
\145\143\040\107\154\157\142\141\154\122\157\157\164\040\103\154
\141\163\163\040\063
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\201\202\061\013\060\011\006\003\125\004\006\023\002\104\105
\061\053\060\051\006\003\125\004\012\014\042\124\055\123\171\163
\164\145\155\163\040\105\156\164\145\162\160\162\151\163\145\040
\123\145\162\166\151\143\145\163\040\107\155\142\110\061\037\060
\035\006\003\125\004\013\014\026\124\055\123\171\163\164\145\155
\163\040\124\162\165\163\164\040\103\145\156\164\145\162\061\045
\060\043\006\003\125\004\003\014\034\124\055\124\145\154\145\123
\145\143\040\107\154\157\142\141\154\122\157\157\164\040\103\154
\141\163\163\040\063
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\001\001
END
CKA_VALUE MULTILINE_OCTAL
\060\202\003\303\060\202\002\253\240\003\002\001\002\002\001\001
\060\015\006\011\052\206\110\206\367\015\001\001\013\005\000\060
\201\202\061\013\060\011\006\003\125\004\006\023\002\104\105\061
```


\053\060\051\006\003\125\004\012\014\042\124\055\123\171\163\164
\145\155\163\040\105\156\164\145\162\160\162\151\163\145\040\123
\145\162\166\151\143\145\163\040\107\155\142\110\061\037\060\035
\006\003\125\004\013\014\026\124\055\123\171\163\164\145\155\163
\040\124\162\165\163\164\040\103\145\156\164\145\162\061\045\060
\043\006\003\125\004\003\014\034\124\055\124\145\154\145\123\145
\143\040\107\154\157\142\141\154\122\157\157\164\040\103\154\141
\163\163\040\063\060\036\027\015\060\070\061\060\060\061\061\060
\062\071\065\066\132\027\015\063\063\061\060\060\061\062\063\065
\071\065\071\132\060\201\202\061\013\060\011\006\003\125\004\006
\023\002\104\105\061\053\060\051\006\003\125\004\012\014\042\124
\055\123\171\163\164\145\155\163\040\105\156\164\145\162\160\162
\151\163\145\040\123\145\162\166\151\143\145\163\040\107\155\142
\110\061\037\060\035\006\003\125\004\013\014\026\124\055\123\171
\163\164\145\155\163\040\124\162\165\163\164\040\103\145\156\164
\145\162\061\045\060\043\006\003\125\004\003\014\034\124\055\124
\145\154\145\123\145\143\040\107\154\157\142\141\154\122\157\157
\164\040\103\154\141\163\163\040\063\060\202\001\042\060\015\006
\011\052\206\110\206\367\015\001\001\001\005\000\003\202\001\017
\000\060\202\001\012\002\202\001\001\000\275\165\223\360\142\042
\157\044\256\340\172\166\254\175\275\331\044\325\270\267\374\315
\360\102\340\353\170\210\126\136\233\232\124\035\115\014\212\366
\323\317\160\364\122\265\330\223\004\343\106\206\161\101\112\053
\360\052\054\125\003\326\110\303\340\071\070\355\362\134\074\077
\104\274\223\075\141\253\116\315\015\276\360\040\047\130\016\104
\177\004\032\207\245\327\226\024\066\220\320\111\173\241\165\373
\032\153\163\261\370\316\251\011\054\362\123\325\303\024\104\270
\206\245\366\213\053\071\332\243\063\124\331\372\162\032\367\042
\025\034\210\221\153\177\146\345\303\152\200\260\044\363\337\206
\105\210\375\031\177\165\207\037\037\261\033\012\163\044\133\271
\145\340\054\124\310\140\323\146\027\077\341\314\124\063\163\221
\002\072\246\177\173\166\071\242\037\226\266\070\256\265\310\223
\164\035\236\271\264\345\140\235\057\126\321\340\353\136\133\114
\022\160\014\154\104\040\253\021\330\364\031\366\322\234\122\067
\347\372\266\302\061\073\112\324\024\231\255\307\032\365\135\137
\372\007\270\174\015\037\326\203\036\263\002\003\001\000\001\243
\102\060\100\060\017\006\003\125\035\023\001\001\377\004\005\060
\003\001\001\377\060\016\006\003\125\035\017\001\001\377\004\004
\003\002\001\006\060\035\006\003\125\035\016\004\026\004\024\265
\003\367\166\073\141\202\152\022\252\030\123\353\003\041\224\277
\376\316\312\060\015\006\011\052\206\110\206\367\015\001\001\013
\005\000\003\202\001\001\000\126\075\357\224\325\275\332\163\262
\130\276\256\220\255\230\047\227\376\001\261\260\122\000\270\115
\344\033\041\164\033\176\300\356\136\151\052\045\257\134\326\035
\332\322\171\311\363\227\051\340\206\207\336\004\131\017\361\131
\324\144\205\113\231\257\045\004\036\311\106\251\227\336\202\262
\033\160\237\234\366\257\161\061\335\173\005\245\054\323\271\312
\107\366\312\362\366\347\255\271\110\077\274\026\267\301\155\364

```
\352\011\257\354\363\265\347\005\236\246\036\212\123\121\326\223
\201\314\164\223\366\271\332\246\045\005\164\171\132\176\100\076
\202\113\046\021\060\156\341\077\101\307\107\000\065\325\365\323
\367\124\076\201\075\332\111\152\232\263\357\020\075\346\353\157
\321\310\042\107\313\314\317\001\061\222\331\030\343\042\276\011
\036\032\076\132\262\344\153\014\124\172\175\103\116\270\211\245
\173\327\242\075\226\206\314\362\046\064\055\152\222\235\232\032
\320\060\342\135\116\004\260\137\213\040\176\167\301\075\225\202
\321\106\232\073\074\170\270\157\241\320\015\144\242\170\036\051
\116\223\303\244\124\024\133
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "T-TeleSec GlobalRoot Class 3"

Issuer: CN=T-TeleSec GlobalRoot Class 3,OU=T-Systems Trust Center,O=T-Systems Enterprise Services GmbH,C=DE

Serial Number: 1 (0x1)

Subject: CN=T-TeleSec GlobalRoot Class 3,OU=T-Systems Trust Center,O=T-Systems Enterprise Services GmbH,C=DE

Not Valid Before: Wed Oct 01 10:29:56 2008

Not Valid After : Sat Oct 01 23:59:59 2033

Fingerprint (SHA-256):

FD:73:DA:D3:1C:64:4F:F1:B4:3B:EF:0C:CD:DA:96:71:0B:9C:D9:87:5E:CA:7E:31:70:7A:F3:E9:6D:52:2B:BD

Fingerprint (SHA1): 55:A6:72:3E:CB:F2:EC:CD:C3:23:74:70:19:9D:2A:BE:11:E3:81:D1

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "T-TeleSec GlobalRoot Class 3"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\125\246\162\076\313\362\354\315\303\043\164\160\031\235\052\276
\021\343\201\321
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\312\373\100\250\116\071\222\212\035\376\216\057\304\047\352\357
END
```

CKA_ISSUER MULTILINE_OCTAL

```
\060\201\202\061\013\060\011\006\003\125\004\006\023\002\104\105
\061\053\060\051\006\003\125\004\012\014\042\124\055\123\171\163
\164\145\155\163\040\105\156\164\145\162\160\162\151\163\145\040
\123\145\162\166\151\143\145\163\040\107\155\142\110\061\037\060
\035\006\003\125\004\013\014\026\124\055\123\171\163\164\145\155
\163\040\124\162\165\163\164\040\103\145\156\164\145\162\061\045
\060\043\006\003\125\004\003\014\034\124\055\124\145\154\145\123
\145\143\040\107\154\157\142\141\154\122\157\157\164\040\103\154
```

```

\141\163\163\040\063
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\001\001
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "D-TRUST Root Class 3 CA 2 2009"
#
# Issuer: CN=D-TRUST Root Class 3 CA 2 2009,O=D-Trust GmbH,C=DE
# Serial Number: 623603 (0x983f3)
# Subject: CN=D-TRUST Root Class 3 CA 2 2009,O=D-Trust GmbH,C=DE
# Not Valid Before: Thu Nov 05 08:35:58 2009
# Not Valid After : Mon Nov 05 08:35:58 2029
# Fingerprint (SHA-256):
49:E7:A4:42:AC:F0:EA:62:87:05:00:54:B5:25:64:B6:50:E4:F4:9E:42:E3:48:D6:AA:38:E0:39:E9:57:B1:C1
# Fingerprint (SHA1): 58:E8:AB:B0:36:15:33:FB:80:F7:9B:1B:6D:29:D3:FF:8D:5F:00:F0
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL
CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "D-TRUST Root Class 3 CA 2 2009"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\115\061\013\060\011\006\003\125\004\006\023\002\104\105\061
\025\060\023\006\003\125\004\012\014\014\104\055\124\162\165\163
\164\040\107\155\142\110\061\047\060\045\006\003\125\004\003\014
\036\104\055\124\122\125\123\124\040\122\157\157\164\040\103\154
\141\163\163\040\063\040\103\101\040\062\040\062\060\060\071
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\115\061\013\060\011\006\003\125\004\006\023\002\104\105\061
\025\060\023\006\003\125\004\012\014\014\104\055\124\162\165\163
\164\040\107\155\142\110\061\047\060\045\006\003\125\004\003\014
\036\104\055\124\122\125\123\124\040\122\157\157\164\040\103\154
\141\163\163\040\063\040\103\101\040\062\040\062\060\060\071
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\003\011\203\363
END
CKA_VALUE MULTILINE_OCTAL

```

\060\202\004\063\060\202\003\033\240\003\002\001\002\002\003\011
\203\363\060\015\006\011\052\206\110\206\367\015\001\001\013\005
\000\060\115\061\013\060\011\006\003\125\004\006\023\002\104\105
\061\025\060\023\006\003\125\004\012\014\014\104\055\124\162\165
\163\164\040\107\155\142\110\061\047\060\045\006\003\125\004\003
\014\036\104\055\124\122\125\123\124\040\122\157\157\164\040\103
\154\141\163\163\040\063\040\103\101\040\062\040\062\060\060\071
\060\036\027\015\060\071\061\061\060\065\060\070\063\065\065\070
\132\027\015\062\071\061\061\060\065\060\070\063\065\065\070\132
\060\115\061\013\060\011\006\003\125\004\006\023\002\104\105\061
\025\060\023\006\003\125\004\012\014\014\104\055\124\162\165\163
\164\040\107\155\142\110\061\047\060\045\006\003\125\004\003\014
\036\104\055\124\122\125\123\124\040\122\157\157\164\040\103\154
\141\163\163\040\063\040\103\101\040\062\040\062\060\060\071\060
\202\001\042\060\015\006\011\052\206\110\206\367\015\001\001\001
\005\000\003\202\001\017\000\060\202\001\012\002\202\001\001\000
\323\262\112\317\172\107\357\165\233\043\372\072\057\326\120\105
\211\065\072\306\153\333\376\333\000\150\250\340\003\021\035\067
\120\010\237\115\112\150\224\065\263\123\321\224\143\247\040\126
\257\336\121\170\354\052\075\363\110\110\120\076\012\337\106\125
\213\047\155\303\020\115\015\221\122\103\330\207\340\135\116\066
\265\041\312\137\071\100\004\137\133\176\314\243\306\053\251\100
\036\331\066\204\326\110\363\222\036\064\106\040\044\301\244\121
\216\112\032\357\120\077\151\135\031\177\105\303\307\001\217\121
\311\043\350\162\256\264\274\126\011\177\022\313\034\261\257\051
\220\012\311\125\314\017\323\264\032\355\107\065\132\112\355\234
\163\004\041\320\252\275\014\023\265\000\312\046\154\304\153\014
\224\132\225\224\332\120\232\361\377\245\053\146\061\244\311\070
\240\337\035\037\270\011\056\363\247\350\147\122\253\225\037\340
\106\076\330\244\303\312\132\305\061\200\350\110\232\237\224\151
\376\031\335\330\163\174\201\312\226\336\216\355\263\062\005\145
\204\064\346\346\375\127\020\265\137\166\277\057\260\020\015\305
\002\003\001\000\001\243\202\001\032\060\202\001\026\060\017\006
\003\125\035\023\001\001\377\004\005\060\003\001\001\377\060\035
\006\003\125\035\016\004\026\004\024\375\332\024\304\237\060\336
\041\275\036\102\071\374\253\143\043\111\340\361\204\060\016\006
\003\125\035\017\001\001\377\004\004\003\002\001\006\060\201\323
\006\003\125\035\037\004\201\313\060\201\310\060\201\200\240\176
\240\174\206\172\154\144\141\160\072\057\057\144\151\162\145\143
\164\157\162\171\056\144\055\164\162\165\163\164\056\156\145\164
\057\103\116\075\104\055\124\122\125\123\124\045\062\060\122\157
\157\164\045\062\060\103\154\141\163\163\045\062\060\063\045\062
\060\103\101\045\062\060\062\045\062\060\062\060\060\071\054\117
\075\104\055\124\162\165\163\164\045\062\060\107\155\142\110\054
\103\075\104\105\077\143\145\162\164\151\146\151\143\141\164\145
\162\145\166\157\143\141\164\151\157\156\154\151\163\164\060\103
\240\101\240\077\206\075\150\164\164\160\072\057\057\167\167\167
\056\144\055\164\162\165\163\164\056\156\145\164\057\143\162\154

```
\057\144\055\164\162\165\163\164\137\162\157\157\164\137\143\154
\141\163\163\137\063\137\143\141\137\062\137\062\060\060\071\056
\143\162\154\060\015\006\011\052\206\110\206\367\015\001\001\013
\005\000\003\202\001\001\000\177\227\333\060\310\337\244\234\175
\041\172\200\160\316\024\022\151\210\024\225\140\104\001\254\262
\351\060\117\233\120\302\146\330\176\215\060\265\160\061\351\342
\151\307\363\160\333\040\025\206\320\015\360\276\254\001\165\204
\316\176\237\115\277\267\140\073\234\363\312\035\342\136\150\330
\243\235\227\345\100\140\322\066\041\376\320\264\270\027\332\164
\243\177\324\337\260\230\002\254\157\153\153\054\045\044\162\241
\145\356\045\132\345\346\062\347\362\337\253\111\372\363\220\151
\043\333\004\331\347\134\130\374\145\324\227\276\314\374\056\012
\314\045\052\065\004\370\140\221\025\165\075\101\377\043\037\031
\310\154\353\202\123\004\246\344\114\042\115\215\214\272\316\133
\163\354\144\124\120\155\321\234\125\373\151\303\066\303\214\274
\074\205\246\153\012\046\015\340\223\230\140\256\176\306\044\227
\212\141\137\221\216\146\222\011\207\066\315\213\233\055\076\366
\121\324\120\324\131\050\275\203\362\314\050\173\123\206\155\330
\046\210\160\327\352\221\315\076\271\312\300\220\156\132\306\136
\164\145\327\134\376\243\342
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "D-TRUST Root Class 3 CA 2 2009"

Issuer: CN=D-TRUST Root Class 3 CA 2 2009,O=D-Trust GmbH,C=DE

Serial Number: 623603 (0x983f3)

Subject: CN=D-TRUST Root Class 3 CA 2 2009,O=D-Trust GmbH,C=DE

Not Valid Before: Thu Nov 05 08:35:58 2009

Not Valid After : Mon Nov 05 08:35:58 2029

Fingerprint (SHA-256):

49:E7:A4:42:AC:F0:EA:62:87:05:00:54:B5:25:64:B6:50:E4:F4:9E:42:E3:48:D6:AA:38:E0:39:E9:57:B1:C1

Fingerprint (SHA1): 58:E8:AB:B0:36:15:33:FB:80:F7:9B:1B:6D:29:D3:FF:8D:5F:00:F0

CKA_CLASS

CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "D-TRUST Root Class 3 CA 2 2009"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\130\350\253\260\066\025\063\373\200\367\233\033\155\051\323\377
\215\137\000\360
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\315\340\045\151\215\107\254\234\211\065\220\367\375\121\075\057
```

END

```

CKA_ISSUER MULTILINE_OCTAL
\060\115\061\013\060\011\006\003\125\004\006\023\002\104\105\061
\025\060\023\006\003\125\004\012\014\014\104\055\124\162\165\163
\164\040\107\155\142\110\061\047\060\045\006\003\125\004\003\014
\036\104\055\124\122\125\123\124\040\122\157\157\164\040\103\154
\141\163\163\040\063\040\103\101\040\062\040\062\060\060\071
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\003\011\203\363
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED
CK_BBOOL CK_FALSE

#
# Certificate "D-TRUST Root Class 3 CA 2 EV 2009"
#
# Issuer: CN=D-TRUST Root Class 3 CA 2 EV 2009,O=D-Trust GmbH,C=DE
# Serial Number: 623604 (0x983f4)
# Subject: CN=D-TRUST Root Class 3 CA 2 EV 2009,O=D-Trust GmbH,C=DE
# Not Valid Before: Thu Nov 05 08:50:46 2009
# Not Valid After : Mon Nov 05 08:50:46 2029
# Fingerprint (SHA-256):
EE:C5:49:6B:98:8C:E9:86:25:B9:34:09:2E:EC:29:08:BE:D0:B0:F3:16:C2:D4:73:0C:84:EA:F1:F3:D3:48:81
# Fingerprint (SHA1): 96:C9:1B:0B:95:B4:10:98:42:FA:D0:D8:22:79:FE:60:FA:B9:16:83
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "D-TRUST Root Class 3 CA 2 EV 2009"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\120\061\013\060\011\006\003\125\004\006\023\002\104\105\061
\025\060\023\006\003\125\004\012\014\014\104\055\124\162\165\163
\164\040\107\155\142\110\061\052\060\050\006\003\125\004\003\014
\041\104\055\124\122\125\123\124\040\122\157\157\164\040\103\154
\141\163\163\040\063\040\103\101\040\062\040\105\126\040\062\060
\060\071
END
CKA_ID
UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\120\061\013\060\011\006\003\125\004\006\023\002\104\105\061
\025\060\023\006\003\125\004\012\014\014\104\055\124\162\165\163
\164\040\107\155\142\110\061\052\060\050\006\003\125\004\003\014
\041\104\055\124\122\125\123\124\040\122\157\157\164\040\103\154

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\141\163\163\040\063\040\103\101\040\062\040\105\126\040\062\060
\060\071
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\003\011\203\364
END
CKA_VALUE MULTILINE_OCTAL
\060\202\004\103\060\202\003\053\240\003\002\001\002\002\003\011
\203\364\060\015\006\011\052\206\110\206\367\015\001\001\013\005
\000\060\120\061\013\060\011\006\003\125\004\006\023\002\104\105
\061\025\060\023\006\003\125\004\012\014\014\104\055\124\162\165
\163\164\040\107\155\142\110\061\052\060\050\006\003\125\004\003
\014\041\104\055\124\122\125\123\124\040\122\157\157\164\040\103
\154\141\163\163\040\063\040\103\101\040\062\040\105\126\040\062
\060\060\071\060\036\027\015\060\071\061\061\060\065\060\070\065
\060\064\066\132\027\015\062\071\061\061\060\065\060\070\065\060
\064\066\132\060\120\061\013\060\011\006\003\125\004\006\023\002
\104\105\061\025\060\023\006\003\125\004\012\014\014\104\055\124
\162\165\163\164\040\107\155\142\110\061\052\060\050\006\003\125
\004\003\014\041\104\055\124\122\125\123\124\040\122\157\157\164
\040\103\154\141\163\163\040\063\040\103\101\040\062\040\105\126
\040\062\060\060\071\060\202\001\042\060\015\006\011\052\206\110
\206\367\015\001\001\001\005\000\003\202\001\017\000\060\202\001
\012\002\202\001\001\000\231\361\204\064\160\272\057\267\060\240
\216\275\174\004\317\276\142\274\231\375\202\227\322\172\012\147
\226\070\011\366\020\116\225\042\163\231\215\332\025\055\347\005
\374\031\163\042\267\216\230\000\274\074\075\254\241\154\373\326
\171\045\113\255\360\314\144\332\210\076\051\270\017\011\323\064
\335\063\365\142\321\341\315\031\351\356\030\117\114\130\256\342
\036\326\014\133\025\132\330\072\270\304\030\144\036\343\063\262
\265\211\167\116\014\277\331\224\153\023\227\157\022\243\376\231
\251\004\314\025\354\140\150\066\355\010\173\267\365\277\223\355
\146\061\203\214\306\161\064\207\116\027\352\257\213\221\215\034
\126\101\256\042\067\136\067\362\035\331\321\055\015\057\151\121
\247\276\146\246\212\072\052\275\307\032\261\341\024\360\276\072
\035\271\317\133\261\152\376\264\261\106\040\242\373\036\073\160
\357\223\230\175\214\163\226\362\305\357\205\160\255\051\046\374
\036\004\076\034\240\330\017\313\122\203\142\174\356\213\123\225
\220\251\127\242\352\141\005\330\371\115\304\047\372\156\255\355
\371\327\121\367\153\245\002\003\001\000\001\243\202\001\044\060
\202\001\040\060\017\006\003\125\035\023\001\001\377\004\005\060
\003\001\001\377\060\035\006\003\125\035\016\004\026\004\024\323
\224\212\114\142\023\052\031\056\314\257\162\212\175\066\327\232
\034\334\147\060\016\006\003\125\035\017\001\001\377\004\004\003
\002\001\006\060\201\335\006\003\125\035\037\004\201\325\060\201
\322\060\201\207\240\201\204\240\201\201\206\177\154\144\141\160
\072\057\057\144\151\162\145\143\164\157\162\171\056\144\055\164
\162\165\163\164\056\156\145\164\057\103\116\075\104\055\124\122

\125\123\124\045\062\060\122\157\157\164\045\062\060\103\154\141
\163\163\045\062\060\063\045\062\060\103\101\045\062\060\062\045
\062\060\105\126\045\062\060\062\060\060\071\054\117\075\104\055
\124\162\165\163\164\045\062\060\107\155\142\110\054\103\075\104
\105\077\143\145\162\164\151\146\151\143\141\164\145\162\145\166
\157\143\141\164\151\157\156\154\151\163\164\060\106\240\104\240
\102\206\100\150\164\164\160\072\057\057\167\167\167\056\144\055
\164\162\165\163\164\056\156\145\164\057\143\162\154\057\144\055
\164\162\165\163\164\137\162\157\157\164\137\143\154\141\163\163
\137\063\137\143\141\137\062\137\145\166\137\062\060\060\071\056
\143\162\154\060\015\006\011\052\206\110\206\367\015\001\001\013
\005\000\003\202\001\001\000\064\355\173\132\074\244\224\210\357
\032\021\165\007\057\263\376\074\372\036\121\046\353\207\366\051
\336\340\361\324\306\044\011\351\301\317\125\033\264\060\331\316
\032\376\006\121\246\025\244\055\357\262\113\277\040\050\045\111
\321\246\066\167\064\350\144\337\122\261\021\307\163\172\315\071
\236\302\255\214\161\041\362\132\153\257\337\074\116\125\257\262
\204\145\024\211\271\167\313\052\061\276\317\243\155\317\157\110
\224\062\106\157\347\161\214\240\246\204\031\067\007\362\003\105
\011\053\206\165\174\337\137\151\127\000\333\156\330\246\162\042
\113\120\324\165\230\126\337\267\030\377\103\103\120\256\172\104
\173\360\171\121\327\103\075\247\323\201\323\360\311\117\271\332
\306\227\206\320\202\303\344\102\155\376\260\342\144\116\016\046
\347\100\064\046\265\010\211\327\010\143\143\070\047\165\036\063
\352\156\250\335\237\231\117\164\115\201\211\200\113\335\232\227
\051\134\057\276\201\101\271\214\377\352\175\140\006\236\315\327
\075\323\056\243\025\274\250\346\046\345\157\303\334\270\003\041
\352\237\026\361\054\124\265

END

CKA_NSS_Mozilla_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "D-TRUST Root Class 3 CA 2 EV 2009"

Issuer: CN=D-TRUST Root Class 3 CA 2 EV 2009,O=D-Trust GmbH,C=DE

Serial Number: 623604 (0x983f4)

Subject: CN=D-TRUST Root Class 3 CA 2 EV 2009,O=D-Trust GmbH,C=DE

Not Valid Before: Thu Nov 05 08:50:46 2009

Not Valid After : Mon Nov 05 08:50:46 2029

Fingerprint (SHA-256):

EE:C5:49:6B:98:8C:E9:86:25:B9:34:09:2E:EC:29:08:BE:D0:B0:F3:16:C2:D4:73:0C:84:EA:F1:F3:D3:48:81

Fingerprint (SHA1): 96:C9:1B:0B:95:B4:10:98:42:FA:D0:D8:22:79:FE:60:FA:B9:16:83

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "D-TRUST Root Class 3 CA 2 EV 2009"


```

CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\226\311\033\013\225\264\020\230\102\372\320\330\042\171\376\140
\372\271\026\203
END
CKA_CERT_MD5_HASH
MULTILINE_OCTAL
\252\306\103\054\136\055\315\304\064\300\120\117\021\002\117\266
END
CKA_ISSUER MULTILINE_OCTAL
\060\120\061\013\060\011\006\003\125\004\006\023\002\104\105\061
\025\060\023\006\003\125\004\012\014\014\104\055\124\162\165\163
\164\040\107\155\142\110\061\052\060\050\006\003\125\004\003\014
\041\104\055\124\122\125\123\124\040\122\157\157\164\040\103\154
\141\163\163\040\063\040\103\101\040\062\040\105\126\040\062\060
\060\071
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\003\011\203\364
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "CA Disig Root R2"
#
# Issuer: CN=CA Disig Root R2,O=Disig a.s.,L=Bratislava,C=SK
# Serial Number:00:92:b8:88:db:b0:8a:c1:63
# Subject: CN=CA Disig Root R2,O=Disig a.s.,L=Bratislava,C=SK
# Not Valid Before: Thu
# Jul 19 09:15:30 2012
# Not Valid After : Sat Jul 19 09:15:30 2042
# Fingerprint (SHA-256):
E2:3D:4A:03:6D:7B:70:E9:F5:95:B1:42:20:79:D2:B9:1E:DF:BB:1F:B6:51:A0:63:3E:AA:8A:9D:C5:F8:07:03
# Fingerprint (SHA1): B5:61:EB:EA:A4:DE:E4:25:4B:69:1A:98:A5:57:47:C2:34:C7:D9:71
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "CA Disig Root R2"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\122\061\013\060\011\006\003\125\004\006\023\002\123\113\061
\023\060\021\006\003\125\004\007\023\012\102\162\141\164\151\163
\154\141\166\141\061\023\060\021\006\003\125\004\012\023\012\104
\151\163\151\147\040\141\056\163\056\061\031\060\027\006\003\125
\004\003\023\020\103\101\040\104\151\163\151\147\040\122\157\157

```

\164\040\122\062
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\122\061\013\060\011\006\003\125\004\006\023\002\123\113\061
\023\060\021\006\003\125\004\007\023\012\102\162\141\164\151\163
\154\141\166\141\061\023\060\021\006\003\125\004\012\023\012\104
\151\163\151\147\040\141\056\163\056\061\031\060\027\006\003\125
\004\003\023\020\103\101\040\104\151\163\151\147\040\122\157\157
\164\040\122\062

END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\011\000\222\270\210\333\260\212\301\143

END
CKA_VALUE MULTILINE_OCTAL
\060\202\005\151\060\202\003\121\240\003\002\001\002\002\011\000
\222\270\210\333\260\212\301\143\060\015\006\011\052\206\110\206
\367\015\001\001\013\005\000\060\122\061\013\060\011\006\003\125
\004\006\023\002\123\113\061\023\060\021\006\003\125\004\007\023
\012\102\162\141\164\151\163\154\141\166\141\061\023\060\021\006
\003\125\004\012\023\012\104\151\163\151\147\040\141\056\163\056
\061\031\060\027\006\003\125\004\003\023\020\103\101\040\104\151
\163\151\147\040\122\157\157\164\040\122\062\060\036\027\015\061
\062\060\067\061\071\060\071\061\065\063\060\132\027\015\064\062
\060\067\061\071\060\071\061\065\063\060\132\060\122\061\013\060
\011\006\003\125\004\006\023\002\123\113\061\023\060\021\006\003
\125\004\007\023\012\102\162\141\164\151\163\154\141\166\141\061
\023\060\021\006\003\125\004\012\023\012\104\151\163\151\147\040
\141\056\163\056\061\031\060\027\006\003\125\004\003\023\020\103
\101\040\104\151\163\151\147\040\122\157\157\164\040\122\062\060
\202\002\042\060\015\006\011\052\206\110\206\367\015\001\001\001
\005\000\003\202\002\017\000\060\202\002\012\002\202\002\001\000
\242\243\304\000\011\326\205\135\055\155\024\366\302\303\163\236
\065\302\161\125\176\201\373\253\106\120\340\301\174\111\170\346
\253\171\130\074\332\377\174\034\237\330\227\002\170\076\153\101
\004\351\101\275\276\003\054\105\366\057\144\324\253\135\243\107
\075\144\233\351\150\232\306\314\033\077\272\276\262\213\064\002
\056\230\125\031\374\214\157\252\137\332\114\316\115\003\041\243
\330\322\064\223\126\226\313\114\014\000\026\074\137\032\315\310
\307\154\246\255\323\061\247\274\350\345\341\146\326\322\373\003
\264\101\145\311\020\256\016\005\143\306\200\152\151\060\375\322
\356\220\357\015\047\337\237\225\163\364\341\045\332\154\026\336
\101\070\064\352\213\374\321\350\004\024\141\055\101\176\254\307
\167\116\313\121\124\373\136\222\030\033\004\132\150\306\311\304
\372\267\023\240\230\267\021\053\267\326\127\314\174\236\027\321
\313\045\376\206\116\044\056\126\014\170\115\236\001\022\246\053
\247\001\145\156\174\142\035\204\204\337\352\300\153\265\245\052

\225\203\303\123\021\014\163\035\013\262\106\220\321\102\072\316
\100\156\225\255\377\306\224\255\156\227\204\216\175\157\236\212
\200\015\111\155\163\342\173\222\036\303\363\301\363\353\056\005
\157\331\033\317\067\166\004\310\264\132\344\027\247\313\335\166
\037\320\031\166\350\054\005\263\326\234\064\330\226\334\141\207
\221\005\344\104\010\063\301\332\271\010\145\324\256\262\066\015
\353\272\070\272\014\345\233\236\353\215\146\335\231\317\326\211
\101\366\004\222\212\051\051\155\153\072\034\347\165\175\002\161
\016\363\300\347\275\313\031\335\235\140\262\302\146\140\266\261
\004\356\311\346\206\271\232\146\100\250\347\021\355\201\105\003
\213\366\147\131\350\301\006\021\275\335\317\200\002\117\145\100
\170\134\107\120\310\233\346\037\201\173\344\104\250\133\205\232
\342\336\132\325\307\371\072\104\146\113\344\062\124\174\344\154
\234\263\016\075\027\242\262\064\022\326\176\262\250\111\273\321
\172\050\100\276\242\026\037\337\344\067\037\021\163\373\220\012
\145\103\242\015\174\370\006\001\125\063\175\260\015\270\364\365
\256\245\102\127\174\066\021\214\173\136\304\003\235\214\171\235
\002\003\001\000\001\243\102\060\100\060\017\006\003\125\035\023
\001\001\377\004\005\060\003\001\001\377\060\016\006\003\125\035
\017\001\001\377\004\004\003\002\001\006\060\035\006\003\125\035
\016\004\026\004\024\265\231\370\257\260\224\365\343\040\326\012
\255\316\116\126\244\056\156\102\355\060\015\006\011\052\206\110
\206\367\015\001\001\013\005\000\003\202\002\001\000\046\006\136
\160\347\145\063\310\202\156\331\234\027\072\033\172\146\262\001
\366\170\073\151\136\057\352\377\116\371\050\303\230\052\141\114
\264\044\022\212\175\155\021\024\367\234\265\312\346\274\236\047
\216\114\031\310\251\275\172\300\327\066\016\155\205\162\156\250
\306\242\155\366\372\163\143\177\274\156\171\010\034\235\212\237
\032\212\123\246\330\273\331\065\125\261\021\305\251\003\263\126
\073\271\204\223\042\136\176\301\366\022\122\213\352\054\147\274
\376\066\114\365\270\317\321\263\111\222\073\323\051\016\231\033
\226\367\141\270\073\304\053\266\170\154\264\043\157\360\375\323
\262\136\165\037\231\225\250\254\366\332\341\305\061\173\373\321
\106\263\322\274\147\264\142\124\272\011\367\143\260\223\242\232
\371\351\122\056\213\140\022\253\374\365\140\126\357\020\134\213
\304\032\102\334\203\133\144\016\313\265\274\326\117\301\174\074
\156\215\023\155\373\173\353\060\320\334\115\257\305\325\266\245
\114\133\161\311\350\061\276\350\070\006\110\241\032\342\352\322
\336\022\071\130\032\377\200\016\202\165\346\267\311\007\154\016
\357\377\070\361\230\161\304\267\177\016\025\320\045\151\275\042
\235\053\355\005\366\106\107\254\355\300\360\324\073\342\354\356
\226\133\220\023\116\036\126\072\353\260\357\226\273\226\043\021
\272\362\103\206\164\144\225\310\050\165\337\035\065\272\322\067
\203\070\123\070\066\073\317\154\351\371\153\016\320\373\004\350
\117\167\327\145\001\170\206\014\172\076\041\142\361\177\143\161
\014\311\237\104\333\250\047\242\165\276\156\201\076\327\300\353
\033\230\017\160\134\064\262\212\314\300\205\030\353\156\172\263
\367\132\241\007\277\251\102\222\363\140\042\227\344\024\241\007

```
\233\116\166\300\216\175\375\244\045\307\107\355\377\037\163\254
\314\303\245\351\157\012\216\233\145\302\120\205\265\243\240\123
\022\314\125\207\141\363\201\256\020\106\141\275\104\041\270\302
\075\164\317\176\044\065\372\034\007\016\233\075\042\312\357\061
\057\214\254\022\275\357\100\050\374\051\147\237\262\023\117\146
\044\304\123\031\351\036\051\025\357\346\155\260\177\055\147\375
\363\154\033\165\106\243\345\112\027\351\244\327\013
```

END

CKA_NSS_Mozilla_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "CA Disig Root R2"

Issuer: CN=CA Disig Root R2,O=Disig a.s.,L=Bratislava,C=SK

Serial Number:00:92:b8:88:db:b0:8a:c1:63

Subject: CN=CA Disig Root R2,O=Disig a.s.,L=Bratislava,C=SK

Not Valid Before: Thu Jul 19 09:15:30 2012

Not Valid After : Sat Jul 19 09:15:30 2042

Fingerprint (SHA-256):

E2:3D:4A:03:6D:7B:70:E9:F5:95:B1:42:20:79:D2:B9:1E:DF:BB:1F:B6:51:A0:63:3E:AA:8A:9D:C5:F8:07:03

Fingerprint (SHA1): B5:61:EB:EA:A4:DE:E4:25:4B:69:1A:98:A5:57:47:C2:34:C7:D9:71

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "CA Disig Root R2"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\265\141\353\352\244\336\344\045\113\151\032\230\245\127\107\302
\064\307\331\161
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\046\001\373\330\047\247\027\232\105\124\070\032\103\001\073\003
```

END

CKA_ISSUER

MULTILINE_OCTAL

```
\060\122\061\013\060\011\006\003\125\004\006\023\002\123\113\061
\023\060\021\006\003\125\004\007\023\012\102\162\141\164\151\163
\154\141\166\141\061\023\060\021\006\003\125\004\012\023\012\104
\151\163\151\147\040\141\056\163\056\061\031\060\027\006\003\125
\004\003\023\020\103\101\040\104\151\163\151\147\040\122\157\157
\164\040\122\062
```

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

```
\002\011\000\222\270\210\333\260\212\301\143
```

END

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#

Certificate "ACCVRAIZ1"

#

Issuer: C=ES,O=ACCV,OU=PKIACCV,CN=ACCVRAIZ1

Serial Number:5e:c3:b7:a6:43:7f:a4:e0

Subject: C=ES,O=ACCV,OU=PKIACCV,CN=ACCVRAIZ1

Not Valid Before: Thu May 05 09:37:37 2011

Not Valid After : Tue Dec 31 09:37:37 2030

Fingerprint (SHA-256):

9A:6E:C0:12:E1:A7:DA:9D:BE:34:19:4D:47:8A:D7:C0:DB:18:22:FB:07:1D:F1:29:81:49:6E:D1:04:38:41:13

#

Fingerprint (SHA1): 93:05:7A:88:15:C6:4F:CE:88:2F:FA:91:16:52:28:78:BC:53:64:17

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "ACCVRAIZ1"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL

\060\102\061\022\060\020\006\003\125\004\003\014\011\101\103\103
\126\122\101\111\132\061\061\020\060\016\006\003\125\004\013\014
\007\120\113\111\101\103\103\126\061\015\060\013\006\003\125\004
\012\014\004\101\103\103\126\061\013\060\011\006\003\125\004\006
\023\002\105\123

END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

\060\102\061\022\060\020\006\003\125\004\003\014\011\101\103\103
\126\122\101\111\132\061\061\020\060\016\006\003\125\004\013\014
\007\120\113\111\101\103\103\126\061\015\060\013\006\003\125\004
\012\014\004\101\103\103\126\061\013\060\011\006\003\125\004\006
\023\002\105\123

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

\002\010\136\303\267\246\103\177\244\340

END

CKA_VALUE MULTILINE_OCTAL

\060\202\007\323\060\202\005\273\240\003\002\001\002\002\010\136
\303\267\246\103\177\244\340\060\015\006\011\052\206\110\206\367
\015\001\001\005\005\000\060\102\061\022\060\020\006\003\125\004
\003\014\011\101\103\103\126\122\101\111\132\061\061\020\060\016
\006\003\125\004\013\014\007\120\113\111\101\103\103\126\061\015
\060\013\006\003\125\004\012\014\004\101\103\103\126\061\013\060
\011\006\003\125\004\006\023\002\105\123\060\036\027\015\061\061

\060\065\060\065\060\071\063\067\063\067\132\027\015\063\060\061
\062\063\061\060\071\063\067\063\067\132\060\102\061\022\060\020
\006\003\125\004\003\014\011\101\103\103\126\122\101\111\132\061
\061\020\060\016\006\003\125\004\013\014\007\120\113\111\101\103
\103\126\061\015\060\013\006\003\125\004\012\014\004\101\103\103
\126\061\013\060\011\006\003\125\004\006\023\002\105\123\060\202
\002\042\060\015\006\011\052\206\110\206\367\015\001\001\001\005
\000\003\202\002\017\000\060\202\002\012\002\202\002\001\000\233
\251\253\277\141\112\227\257\057\227\146\232\164\137\320\331\226
\375\317\342\344\146\357\037\037\107\063\302\104\243\337\232\336
\037\265\124\335\025\174\151\065\021\157\273\310\014\216\152\030
\036\330\217\331\026\274\020\110\066\134\360\143\263\220\132\134
\044\067\327\243\326\313\011\161\271\361\001\162\204\260\175\333
\115\200\315\374\323\157\311\370\332\266\016\202\322\105\205\250
\033\150\250\075\350\364\104\154\275\241\302\313\003\276\214\076
\023\000\204\337\112\110\300\343\042\012\350\351\067\247\030\114
\261\011\015\043\126\177\004\115\331\027\204\030\245\310\332\100
\224\163\353\316\016\127\074\003\201\072\235\012\241\127\103\151
\254\127\155\171\220\170\345\265\264\073\330\274\114\215\050\241
\247\243\247\272\002\116\045\321\052\256\355\256\003\042\270\153
\040\017\060\050\124\225\177\340\356\316\012\146\235\321\100\055
\156\042\257\235\032\301\005\031\322\157\300\362\237\370\173\263
\002\102\373\120\251\035\055\223\017\043\253\306\301\017\222\377
\320\242\025\365\123\011\161\034\377\105\023\204\346\046\136\370
\340\210\034\012\374\026\266\250\163\006\270\360\143\204\002\240
\306\132\354\347\164\337\160\256\243\203\045\352\326\307\227\207
\223\247\306\212\212\063\227\140\067\020\076\227\076\156\051\025
\326\241\017\321\210\054\022\237\157\252\244\306\102\353\101\242
\343\225\103\323\001\205\155\216\273\073\363\043\066\307\376\073
\340\241\045\007\110\253\311\211\164\377\010\217\200\277\300\226
\145\363\356\354\113\150\275\235\210\303\061\263\100\361\350\317
\366\070\273\234\344\321\177\324\345\130\233\174\372\324\363\016
\233\165\221\344\272\122\056\031\176\321\365\315\132\031\374\272
\006\366\373\122\250\113\231\004\335\370\371\264\213\120\243\116
\142\211\360\207\044\372\203\102\301\207\372\325\055\051\052\132
\161\172\144\152\327\047\140\143\015\333\316\111\365\215\037\220
\211\062\027\370\163\103\270\322\132\223\206\141\326\341\165\012
\352\171\146\166\210\117\161\353\004\045\326\012\132\172\223\345
\271\113\027\100\017\261\266\271\365\336\117\334\340\263\254\073
\021\160\140\204\112\103\156\231\040\300\051\161\012\300\145\002
\003\001\000\001\243\202\002\313\060\202\002\307\060\175\006\010
\053\006\001\005\005\007\001\001\004\161\060\157\060\114\006\010
\053\006\001\005\005\007\060\002\206\100\150\164\164\160\072\057
\057\167\167\167\056\141\143\143\166\056\145\163\057\146\151\154
\145\141\144\155\151\156\057\101\162\143\150\151\166\157\163\057
\143\145\162\164\151\146\151\143\141\144\157\163\057\162\141\151
\172\141\143\143\166\061\056\143\162\164\060\037\006\010\053\006
\001\005\005\007\060\001\206\023\150\164\164\160\072\057\057\157

\143\163\160\056\141\143\143\166\056\145\163\060\035\006\003\125
\035\016\004\026\004\024\322\207\264\343\337\067\047\223\125\366
\126\352\201\345\066\314\214\036\077\275\060\017\006\003\125\035
\023\001\001\377\004\005\060\003\001\001\377\060\037\006\003\125
\035\043\004\030\060\026\200\024\322\207\264\343\337\067\047\223
\125\366\126\352\201\345\066\314\214\036\077\275\060\202\001\163
\006\003\125\035\040\004\202\001\152\060\202\001\146\060\202\001
\142\006\004\125\035\040\000\060\202\001\130\060\202\001\042\006
\010\053\006\001\005\005\007\002\002\060\202\001\024\036\202\001
\020\000\101\000\165\000\164\000\157\000\162\000\151\000\144\000
\141\000\144\000\040\000\144\000\145\000\040\000\103\000\145\000
\162\000\164\000\151\000\146\000\151\000\143\000\141\000\143\000
\151\000\363\000\156\000\040\000\122\000\141\000\355\000\172\000
\040\000\144\000\145\000\040\000\154\000\141\000\040\000\101\000
\103\000\103\000\126\000\040\000\050\000\101\000\147\000\145\000
\156\000\143\000\151\000\141\000\040\000\144\000\145\000\040\000
\124\000\145\000\143\000\156\000\157\000\154\000\157\000\147\000
\355\000\141\000\040\000\171\000\040\000\103\000\145\000\162\000
\164\000\151\000\146\000\151\000\143\000\141\000\143\000\151\000
\363\000\156\000\040\000\105\000\154\000\145\000\143\000\164\000
\162\000\363\000\156\000\151\000\143\000\141\000\054\000\040\000
\103\000\111\000\106\000\040\000\121\000\064\000\066\000\060\000
\061\000\061\000\065\000\066\000\105\000\051\000\056\000\040\000
\103\000\120\000\123\000\040\000\145\000\156\000\040\000\150\000
\164\000\164\000\160\000\072\000\057\000\057\000\167\000\167\000
\167\000\056\000\141\000\143\000\143\000\166\000\056\000\145\000
\163\060\060\006\010\053\006\001\005\005\007\002\001\026\044\150
\164\164\160\072\057\057\167\167\167\056\141\143\143\166\056\145
\163\057\154\145\147\151\163\154\141\143\151\157\156\137\143\056
\150\164\155\060\125\006\003\125\035\037\004\116\060\114\060\112
\240\110\240\106\206\104\150\164\164\160\072\057\057\167\167\167
\056\141\143\143\166\056\145\163\057\146\151\154\145\141\144\155
\151\156\057\101\162\143\150\151\166\157\163\057\143\145\162\164
\151\146\151\143\141\144\157\163\057\162\141\151\172\141\143\143
\166\061\137\144\145\162\056\143\162\154\060\016\006\003\125\035
\017\001\001\377\004\004\003\002\001\006\060\027\006\003\125\035
\021\004\020\060\016\201\014\141\143\143\166\100\141\143\143\166
\056\145\163\060\015\006\011\052\206\110\206\367\015\001\001\005
\005\000\003\202\002\001\000\227\061\002\237\347\375\103\147\110
\104\024\344\051\207\355\114\050\146\320\217\065\332\115\141\267
\112\227\115\265\333\220\340\005\056\016\306\171\320\362\227\151
\017\275\004\107\331\276\333\265\051\332\233\331\256\251\231\325
\323\074\060\223\365\215\241\250\374\006\215\104\364\312\026\225
\174\063\334\142\213\250\067\370\047\330\011\055\033\357\310\024
\047\040\251\144\104\377\056\326\165\252\154\115\140\100\031\111
\103\124\143\332\342\314\272\146\345\117\104\172\133\331\152\201
\053\100\325\177\371\001\047\130\054\310\355\110\221\174\077\246
\000\317\304\051\163\021\066\336\206\031\076\235\356\031\212\033

\325\260\355\216\075\234\052\300\015\330\075\146\343\074\015\275
\325\224\134\342\342\247\065\033\004\000\366\077\132\215\352\103
\275\137\211\035\251\301\260\314\231\342\115\000\012\332\311\047
\133\347\023\220\134\344\365\063\242\125\155\334\340\011\115\057
\261\046\133\047\165\000\011\304\142\167\051\010\137\236\131\254
\266\176\255\237\124\060\042\003\301\036\161\144\376\371\070\012
\226\030\335\002\024\254\043\313\006\034\036\244\175\215\015\336
\047\101\350\255\332\025\267\260\043\335\053\250\323\332\045\207
\355\350\125\104\115\210\364\066\176\204\232\170\254\367\016\126
\111\016\326\063\045\326\204\120\102\154\040\022\035\052\325\276
\274\362\160\201\244\160\140\276\005\265\233\236\004\104\276\141
\043\254\351\245\044\214\021\200\224\132\242\242\271\111\322\301
\334\321\247\355\061\021\054\236\031\246\356\341\125\341\300\352
\317\015\204\344\027\267\242\174\245\336\125\045\006\356\314\300
\207\134\100\332\314\225\077\125\340\065\307\270\204\276\264\135
\315\172\203\001\162\356\207\346\137\035\256\265\205\306\046\337
\346\301\232\351\036\002\107\237\052\250\155\251\133\317\354\105
\167\177\230\047\232\062\135\052\343\204\356\305\230\146\057\226
\040\035\335\330\303\047\327\260\371\376\331\175\315\320\237\217
\013\024\130\121\237\057\213\303\070\055\336\350\217\326\215\207
\244\365\126\103\026\231\054\364\244\126\264\064\270\141\067\311
\302\130\200\033\240\227\241\374\131\215\351\021\366\321\017\113
\125\064\106\052\213\206\073

END

CKA_NSS_Mozilla_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "ACCVRAIZ1"

Issuer: C=ES,O=ACCV,OU=PKIACCV,CN=ACCVRAIZ1

Serial Number:5e:c3:b7:a6:43:7f:a4:e0

Subject: C=ES,O=ACCV,OU=PKIACCV,CN=ACCVRAIZ1

Not Valid Before: Thu May 05 09:37:37 2011

Not Valid After : Tue Dec 31 09:37:37 2030

Fingerprint (SHA-256):

9A:6E:C0:12:E1:A7:DA:9D:BE:34:19:4D:47:8A:D7:C0:DB:18:22:FB:07:1D:F1:29:81:49:6E:D1:04:38:41:13

Fingerprint (SHA1): 93:05:7A:88:15:C6:4F:CE:88:2F:FA:91:16:52:28:78:BC:53:64:17

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8

"ACCVRAIZ1"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

\223\005\172\210\025\306\117\316\210\057\372\221\026\122\050\170
\274\123\144\027

END


```

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\320\240\132\356\005\266\011\224\041\241\175\361\262\051\202\002
END
CKA_ISSUER MULTILINE_OCTAL
\060\102\061\022\060\020\006\003\125\004\003\014\011\101\103\103
\126\122\101\111\132\061\061\020\060\016\006\003\125\004\013\014
\007\120\113\111\101\103\103\126\061\015\060\013\006\003\125\004
\012\014\004\101\103\103\126\061\013\060\011\006\003\125\004\006
\023\002\105\123
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\010\136\303\267\246\103\177\244\340
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "TWCA Global Root CA"
#
# Issuer: CN=TWCA Global Root CA,OU=Root CA,O=TAIWAN-CA,C=TW
# Serial Number: 3262 (0xcbe)
# Subject: CN=TWCA Global
Root CA,OU=Root CA,O=TAIWAN-CA,C=TW
# Not Valid Before: Wed Jun 27 06:28:33 2012
# Not Valid After : Tue Dec 31 15:59:59 2030
# Fingerprint (SHA-256):
59:76:90:07:F7:68:5D:0F:CD:50:87:2F:9F:95:D5:75:5A:5B:2B:45:7D:81:F3:69:2B:61:0A:98:67:2F:0E:1B
# Fingerprint (SHA1): 9C:BB:48:53:F6:A4:F6:D3:52:A4:E8:32:52:55:60:13:F5:AD:AF:65
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "TWCA Global Root CA"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\121\061\013\060\011\006\003\125\004\006\023\002\124\127\061
\022\060\020\006\003\125\004\012\023\011\124\101\111\127\101\116
\055\103\101\061\020\060\016\006\003\125\004\013\023\007\122\157
\157\164\040\103\101\061\034\060\032\006\003\125\004\003\023\023
\124\127\103\101\040\107\154\157\142\141\154\040\122\157\157\164
\040\103\101
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\121\061\013\060\011\006\003\125\004\006\023\002\124\127\061
\022\060\020\006\003\125\004\012\023\011\124\101\111\127\101\116

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\055\103\101\061\020\060\016\006\003\125\004\013\023\007\122\157
\157\164\040\103\101\061\034\060\032\006\003\125\004\003\023\023
\124\127\103\101\040\107\154\157\142\141\154\040\122\157\157\164
\040\103\101

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

\002\002\014\276

END

CKA_VALUE MULTILINE_OCTAL

\060\202\005\101\060\202\003\051\240\003\002\001\002\002\002\014
\276\060\015\006\011\052\206\110\206\367\015\001\001\013\005\000
\060\121\061\013\060\011\006\003\125\004\006\023\002\124\127\061
\022\060\020\006\003\125\004\012\023\011\124\101\111\127\101\116
\055\103\101\061\020\060\016\006\003\125\004\013\023\007\122\157
\157\164\040\103\101\061\034\060\032\006\003\125\004\003\023\023
\124\127\103\101\040\107\154\157\142\141\154\040\122\157\157\164
\040\103\101\060\036\027\015\061\062\060\066\062\067\060\066\062
\070\063\063\132\027\015\063\060\061\062\063\061\061\065\065\071
\065\071\132\060\121\061\013\060\011\006\003\125\004\006\023\002
\124\127\061\022\060\020\006\003\125\004\012\023\011\124\101\111
\127\101\116\055\103\101\061\020\060\016\006\003\125\004\013\023
\007\122\157\157\164\040\103\101\061\034\060\032\006\003\125\004
\003\023\023\124\127\103\101\040\107\154\157\142\141\154\040\122
\157\157\164\040\103\101\060\202\002\042\060\015\006\011\052\206
\110\206\367\015\001\001\001\005\000\003\202\002\017\000\060\202
\002\012\002\202\002\001\000\260\005\333\310\353\214\304\156\212
\041\357\216\115\234\161\012\037\122\160\355\155\202\234\227\305
\327\114\116\105\111\313\100\102\265\022\064\154\031\302\164\244
\061\137\205\002\227\354\103\063\012\123\322\234\214\216\267\270
\171\333\053\325\152\362\216\146\304\356\053\001\007\222\324\263
\320\002\337\120\366\125\257\146\016\313\340\107\140\057\053\062
\071\065\122\072\050\203\370\173\026\306\030\270\142\326\107\045
\221\316\360\031\022\115\255\143\365\323\077\165\137\051\360\241
\060\034\052\240\230\246\025\275\356\375\031\066\360\342\221\103
\217\372\312\326\020\047\111\114\357\335\301\361\205\160\233\312
\352\250\132\103\374\155\206\157\163\351\067\105\251\360\066\307
\314\210\165\036\273\154\006\377\233\153\076\027\354\141\252\161
\174\306\035\242\367\111\351\025\265\074\326\241\141\365\021\367
\005\157\035\375\021\276\320\060\007\302\051\260\011\116\046\334
\343\242\250\221\152\037\302\221\105\210\134\345\230\270\161\245
\025\031\311\174\165\021\314\160\164\117\055\233\035\221\104\375
\126\050\240\376\273\206\152\310\372\134\013\130\334\306\113\166
\310\253\042\331\163\017\245\364\132\002\211\077\117\236\042\202
\356\242\164\123\052\075\123\047\151\035\154\216\062\054\144\000
\046\143\141\066\116\243\106\267\077\175\263\055\254\155\220\242
\225\242\316\317\332\202\347\007\064\031\226\351\270\041\252\051
\176\246\070\276\216\051\112\041\146\171\037\263\303\265\011\147

\336\326\324\007\106\363\052\332\346\042\067\140\313\201\266\017
\240\017\351\310\225\177\277\125\221\005\172\317\075\025\300\157
\336\011\224\001\203\327\064\033\314\100\245\360\270\233\147\325
\230\221\073\247\204\170\225\046\244\132\010\370\053\164\264\000
\004\074\337\270\024\216\350\337\251\215\154\147\222\063\035\300
\267\322\354\222\310\276\011\277\054\051\005\157\002\153\236\357
\274\277\052\274\133\300\120\217\101\160\161\207\262\115\267\004
\251\204\243\062\257\256\356\153\027\213\262\261\376\154\341\220
\214\210\250\227\110\316\310\115\313\363\006\317\137\152\012\102
\261\036\036\167\057\216\240\346\222\016\006\374\005\042\322\046
\341\061\121\175\062\334\017\002\003\001\000\001\243\043\060\041
\060\016\006\003\125\035\017\001\001\377\004\004\003\002\001\006
\060\017\006\003\125\035\023\001\001\377\004\005\060\003\001\001
\377\060\015\006\011\052\206\110\206\367\015\001\001\013\005\000
\003\202\002\001\000\137\064\201\166\357\226\035\325\345\265\331
\002\143\204\026\301\256\240\160\121\247\367\114\107\065\310\013
\327\050\075\211\161\331\252\063\101\352\024\033\154\041\000\300
\154\102\031\176\237\151\133\040\102\337\242\322\332\304\174\227
\113\215\260\350\254\310\356\245\151\004\231\012\222\246\253\047
\056\032\115\201\277\204\324\160\036\255\107\376\375\112\235\063
\340\362\271\304\105\010\041\012\332\151\151\163\162\015\276\064
\376\224\213\255\303\036\065\327\242\203\357\345\070\307\245\205
\037\253\317\064\354\077\050\376\014\361\127\206\116\311\125\367
\034\324\330\245\175\006\172\157\325\337\020\337\201\116\041\145
\261\266\341\027\171\225\105\006\316\137\314\334\106\211\143\150
\104\215\223\364\144\160\240\075\235\050\005\303\071\160\270\142
\173\040\375\344\333\351\010\241\270\236\075\011\307\117\373\054
\370\223\166\101\336\122\340\341\127\322\235\003\274\167\236\376
\236\051\136\367\301\121\140\037\336\332\013\262\055\165\267\103
\110\223\347\366\171\306\204\135\200\131\140\224\374\170\230\217
\074\223\121\355\100\220\007\337\144\143\044\313\116\161\005\241
\327\224\032\210\062\361\042\164\042\256\245\246\330\022\151\114
\140\243\002\356\053\354\324\143\222\013\136\276\057\166\153\243
\266\046\274\217\003\330\012\362\114\144\106\275\071\142\345\226
\353\064\143\021\050\314\225\361\255\357\357\334\200\130\110\351
\113\270\352\145\254\351\374\200\265\265\310\105\371\254\301\237
\331\271\352\142\210\216\304\361\113\203\022\255\346\213\204\326
\236\302\353\203\030\237\152\273\033\044\140\063\160\314\354\367
\062\363\134\331\171\175\357\236\244\376\311\043\303\044\356\025
\222\261\075\221\117\046\206\275\146\163\044\023\352\244\256\143
\301\255\175\204\003\074\020\170\206\033\171\343\304\363\362\004
\225\040\256\043\202\304\263\072\000\142\277\346\066\044\341\127
\272\307\036\220\165\325\137\077\225\141\053\301\073\315\345\263
\150\141\320\106\046\251\041\122\151\055\353\056\307\353\167\316
\246\072\265\003\063\117\166\321\347\134\124\001\135\313\170\364
\311\014\277\317\022\216\027\055\043\150\224\347\253\376\251\262
\053\006\320\004\315

END

```

CKA_NSS_Mozilla_CA_POLICY
CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL
CK_FALSE

# Trust for "TWCA Global Root CA"
# Issuer: CN=TWCA Global Root CA,OU=Root CA,O=TAIWAN-CA,C=TW
# Serial Number: 3262 (0xcbe)
# Subject: CN=TWCA Global Root CA,OU=Root CA,O=TAIWAN-CA,C=TW
# Not Valid Before: Wed Jun 27 06:28:33 2012
# Not Valid After : Tue Dec 31 15:59:59 2030
# Fingerprint (SHA-256):
59:76:90:07:F7:68:5D:0F:CD:50:87:2F:9F:95:D5:75:5A:5B:2B:45:7D:81:F3:69:2B:61:0A:98:67:2F:0E:1B
# Fingerprint (SHA1): 9C:BB:48:53:F6:A4:F6:D3:52:A4:E8:32:52:55:60:13:F5:AD:AF:65
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "TWCA Global Root CA"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\234\273\110\123\366\244\366\323\122\244\350\062\122\125\140\023
\365\255\257\145
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\371\003\176\317\346\236\074\163\172\052\220\007\151\377\053\226
END
CKA_ISSUER MULTILINE_OCTAL
\060\121\061\013\060\011\006\003\125\004\006\023\002\124\127\061
\022\060\020\006\003\125\004\012\023\011\124\101\111\127\101\116
\055\103\101\061\020\060\016\006\003\125\004\013\023\007\122\157
\157\164\040\103\101\061\034\060\032\006\003\125\004\003\023\023
\124\127\103\101\040\107\154\157\142\141\154\040\122\157\157\164
\040\103\101
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\002\014\276
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "TeliaSonera Root CA v1"
#
# Issuer: CN=TeliaSonera Root CA v1,O=TeliaSonera

```

```
# Serial Number:00:95:be:16:a0:f7:2e:46:f1:7b:39:82:72:fa:8b:cd:96
# Subject: CN=TeliaSonera Root CA v1,O=TeliaSonera
# Not Valid Before: Thu Oct 18 12:00:50 2007
# Not Valid After : Mon Oct 18 12:00:50 2032
# Fingerprint (SHA-256):
DD:69:36:FE:21:F8:F0:77:C1:23:A1:A5:21:C1:22:24:F7:22:55:B7:3E:03:A7:26:06:93:E8:A2:4B:0F:A3:89
# Fingerprint (SHA1): 43:13:BB:96:F1:D5:86:9B:C1:4E:6A:92:F6:CF:F6:34:69:87:82:37
CKA_CLASS
CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "TeliaSonera Root CA v1"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\067\061\024\060\022\006\003\125\004\012\014\013\124\145\154
\151\141\123\157\156\145\162\141\061\037\060\035\006\003\125\004
\003\014\026\124\145\154\151\141\123\157\156\145\162\141\040\122
\157\157\164\040\103\101\040\166\061
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\067\061\024\060\022\006\003\125\004\012\014\013\124\145\154
\151\141\123\157\156\145\162\141\061\037\060\035\006\003\125\004
\003\014\026\124\145\154\151\141\123\157\156\145\162\141\040\122
\157\157\164\040\103\101\040\166\061
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\021\000\225\276\026\240\367\056\106\361\173\071\202\162\372
\213\315\226
END
CKA_VALUE MULTILINE_OCTAL
\060\202\005\070\060\202\003\040\240\003\002\001\002\002\021\000
\225\276\026\240\367\056\106\361\173\071\202\162\372\213\315\226
\060\015\006\011\052\206\110\206\367\015\001\001\005\005\000\060
\067\061\024\060\022\006\003\125\004\012\014\013\124\145\154\151
\141\123\157\156\145\162\141\061\037\060\035\006\003\125\004\003
\014\026\124\145\154\151\141\123\157\156\145\162\141\040\122\157
\157\164\040\103\101\040\166\061\060\036\027\015\060\067\061\060
\061\070\061\062\060\060\065\060\132\027\015\063\062\061\060\061
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END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "TeliaSonera Root CA v1"

Issuer: CN=TeliaSonera Root CA v1,O=TeliaSonera

Serial Number:00:95:be:16:a0:f7:2e:46:f1:7b:39:82:72:fa:8b:cd:96

Subject: CN=TeliaSonera Root CA v1,O=TeliaSonera

Not Valid Before: Thu Oct 18 12:00:50 2007

Not Valid After : Mon Oct 18 12:00:50 2032

Fingerprint (SHA-256):

DD:69:36:FE:21:F8:F0:77:C1:23:A1:A5:21:C1:22:24:F7:22:55:B7:3E:03:A7:26:06:93:E8:A2:4B:0F:A3:89

Fingerprint (SHA1): 43:13:BB:96:F1:D5:86:9B:C1:4E:6A:92:F6:CF:F6:34:69:87:82:37

CKA_CLASS

CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "TeliaSonera Root CA v1"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

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END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

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END

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CKA_ISSUER MULTILINE_OCTAL
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CKA_SERIAL_NUMBER MULTILINE_OCTAL
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\213\315\226
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CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED
CK_BBOOL CK_FALSE

#
# Certificate "E-Tugra Certification Authority"
#
# Issuer: CN=E-Tugra Certification Authority,OU=E-Tugra Sertifikasyon Merkezi,O=E-Tu..ra EBG Bili..im
Teknolojileri ve Hizmetleri A...,L=Ankara,C=TR
# Serial Number:6a:68:3e:9c:51:9b:cb:53
# Subject: CN=E-Tugra Certification Authority,OU=E-Tugra Sertifikasyon Merkezi,O=E-Tu..ra EBG Bili..im
Teknolojileri ve Hizmetleri A...,L=Ankara,C=TR
# Not Valid Before: Tue Mar 05 12:09:48 2013
# Not Valid After : Fri Mar 03 12:09:48 2023
# Fingerprint (SHA-256):
B0:BF:D5:2B:B0:D7:D9:BD:92:BF:5D:4D:C1:3D:A2:55:C0:2C:54:2F:37:83:65:EA:89:39:11:F5:5E:55:F2:3C
# Fingerprint (SHA1): 51:C6:E7:08:49:06:6E:F3:92:D4:5C:A0:0D:6D:A3:62:8F:C3:52:39
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "E-Tugra Certification Authority"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
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END

CKA_ID

UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

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MULTILINE_OCTAL

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END

CKA_VALUE MULTILINE_OCTAL

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\237\211\213\375\067\137\137\072\316\070\131\206\113\257\161\013
\264\330\362\160\117\237\062\023\343\260\247\127\345\332\332\103
\313\204\064\362\050\304\352\155\364\052\357\301\153\166\332\373
\176\273\205\074\322\123\302\115\276\161\341\105\321\375\043\147
\015\023\165\373\317\145\147\042\235\256\260\011\321\011\377\035
\064\277\376\043\227\067\322\071\372\075\015\006\013\264\333\073
\243\253\157\134\035\266\176\350\263\202\064\355\006\134\044

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "E-Tugra Certification Authority"

Issuer: CN=E-Tugra Certification Authority,OU=E-Tugra Sertifikasyon Merkezi,O=E-Tu..ra EBG Bili..im
Teknolojileri ve Hizmetleri A....,L=Ankara,C=TR

Serial Number:6a:68:3e:9c:51:9b:cb:53

Subject: CN=E-Tugra Certification Authority,OU=E-Tugra Sertifikasyon Merkezi,O=E-Tu..ra EBG Bili..im
Teknolojileri ve Hizmetleri A....,L=Ankara,C=TR

Not Valid Before: Tue Mar 05 12:09:48 2013

Not Valid After : Fri Mar 03 12:09:48 2023

Fingerprint (SHA-256):

B0:BF:D5:2B:B0:D7:D9:BD:92:BF:5D:4D:C1:3D:A2:55:C0:2C:54:2F:37:83:65:EA:89:39:11:F5:5E:55:F2:3C

Fingerprint (SHA1): 51:C6:E7:08:49:06:6E:F3:92:D4:5C:A0:0D:6D:A3:62:8F:C3:52:39

CKA_CLASS CK_OBJECT_CLASS

CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

```

CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "E-Tugra Certification Authority"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\121\306\347\010\111\006\156\363\222\324\134\240\015\155\243\142
\217\303\122\071
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\270\241\003\143\260\275\041\161\160\212\157\023\072\273\171\111
END
CKA_ISSUER MULTILINE_OCTAL
\060\201\262\061\013\060\011\006\003\125\004\006\023\002\124\122
\061\017\060\015\006\003\125\004\007\014\006\101\156\153\141\162
\141\061\100\060\076\006\003\125\004\012\014\067\105\055\124\165
\304\237\162\141\040\105\102\107\040\102\151\154\151\305\237\151
\155\040\124\145\153\156\157\154\157\152\151\154\145\162\151\040
\166\145\040\110\151\172\155\145\164\154\145\162\151\040\101\056
\305\236\056\061\046\060\044\006\003\125\004\013\014\035\105\055
\124\165\147\162\141\040\123\145\162\164\151\146\151\153\141\163
\171\157\156\040\115\145\162\153\145\172\151\061\050\060\046\006
\003\125\004\003\014\037\105\055\124\165\147\162\141\040\103\145
\162\164\151\146\151\143\141\164\151\157\156\040\101\165\164\150
\157\162\151\164\171
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\010\152\150\076\234\121\233\313\123
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "T-TeleSec GlobalRoot Class 2"
#
# Issuer: CN=T-TeleSec GlobalRoot Class 2,OU=T-Systems Trust Center,O=T-Systems Enterprise Services
GmbH,C=DE
# Serial Number: 1 (0x1)
# Subject: CN=T-TeleSec GlobalRoot Class 2,OU=T-Systems Trust Center,O=T-Systems Enterprise Services
GmbH,C=DE
# Not Valid Before: Wed Oct 01 10:40:14 2008
# Not Valid After : Sat Oct 01 23:59:59 2033
# Fingerprint (SHA-256):
91:E2:F5:78:8D:58:10:EB:A7:BA:58:73:7D:E1:54:8A:8E:CA:CD:01:45:98:BC:0B:14:3E:04:1B:17:05:25:52
# Fingerprint (SHA1): 59:0D:2D:7D:88:4F:40:2E:61:7E:A5:62:32:17:65:CF:17:D8:94:E9
CKA_CLASS
CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE

```

```
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "T-TeleSec GlobalRoot Class 2"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\202\061\013\060\011\006\003\125\004\006\023\002\104\105
\061\053\060\051\006\003\125\004\012\014\042\124\055\123\171\163
\164\145\155\163\040\105\156\164\145\162\160\162\151\163\145\040
\123\145\162\166\151\143\145\163\040\107\155\142\110\061\037\060
\035\006\003\125\004\013\014\026\124\055\123\171\163\164\145\155
\163\040\124\162\165\163\164\040\103\145\156\164\145\162\061\045
\060\043\006\003\125\004\003\014\034\124\055\124\145\154\145\123
\145\143\040\107\154\157\142\141\154\122\157\157\164\040\103\154
\141\163\163\040\062
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\201\202\061\013\060\011\006\003\125\004\006\023\002\104\105
\061\053\060\051\006\003\125\004\012\014\042\124\055\123\171\163
\164\145\155\163\040\105\156\164\145\162\160\162\151\163\145\040
\123\145\162\166\151\143\145\163\040\107\155\142\110\061\037\060
\035\006\003\125\004\013\014\026\124\055\123\171\163\164\145\155
\163\040\124\162\165\163\164\040\103\145\156\164\145\162\061\045
\060\043\006\003\125\004\003\014\034\124\055\124\145\154\145\123
\145\143\040\107\154\157\142\141\154\122\157\157\164\040\103\154
\141\163\163\040\062
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\001\001
END
CKA_VALUE MULTILINE_OCTAL
\060\202\003\303\060\202\002\253\240\003\002\001\002\002\001\001
\060\015\006\011\052\206\110\206\367\015\001\001\013\005\000\060
\201\202\061\013\060\011\006\003\125\004\006\023\002\104\105\061
\053\060\051\006\003\125\004\012\014\042\124\055\123\171\163\164
\145\155\163\040\105\156\164\145\162\160\162\151\163\145\040\123
\145\162\166\151\143\145\163\040\107\155\142\110\061\037\060\035
\006\003\125\004\013\014\026\124\055\123\171\163\164\145\155\163
\040\124\162\165\163\164\040\103\145\156\164\145\162\061\045\060
\043\006\003\125\004\003\014\034\124\055\124\145\154\145\123\145
\143\040\107\154\157\142\141\154\122\157\157\164\040\103\154\141
\163\163\040\062\060\036\027\015\060\070\061\060\060\061\061\060
\064\060\061\064\132\027\015\063\063\061\060\060\061\062\063\065
\071\065\071\132\060\201\202\061\013\060\011\006\003\125\004\006
\023\002\104\105\061\053\060\051\006\003\125\004\012\014\042\124
\055\123\171\163\164\145\155\163\040\105\156\164\145\162\160\162
\151\163\145\040\123\145\162\166\151\143\145\163\040\107\155\142
```

\110\061\037\060\035\006\003\125\004\013\014\026\124\055\123\171
\163\164\145\155\163\040\124\162\165\163\164\040\103\145\156\164
\145\162\061\045\060\043\006\003\125\004\003\014\034\124\055\124
\145\154\145\123\145\143\040\107\154\157\142\141\154\122\157\157
\164\040\103\154\141\163\163\040\062\060\202\001\042\060\015\006
\011\052\206\110\206\367\015\001\001\001\005\000\003\202\001\017
\000\060\202\001\012\002\202\001\001\000\252\137\332\033\137\350
\163\221\345\332\134\364\242\346\107\345\363\150\125\140\005\035
\002\244\263\233\131\363\036\212\257\064\255\374\015\302\331\110
\031\356\151\217\311\040\374\041\252\007\031\355\260\134\254\145
\307\137\355\002\174\173\174\055\033\326\272\271\200\302\030\202
\026\204\372\146\260\010\306\124\043\201\344\315\271\111\077\366
\117\156\067\110\050\070\017\305\276\347\150\160\375\071\227\115
\322\307\230\221\120\252\304\104\263\043\175\071\107\351\122\142
\326\022\223\136\267\061\226\102\005\373\166\247\036\243\365\302
\374\351\172\305\154\251\161\117\352\313\170\274\140\257\307\336
\364\331\313\276\176\063\245\156\224\203\360\064\372\041\253\352
\216\162\240\077\244\336\060\133\357\206\115\152\225\133\103\104
\250\020\025\034\345\001\127\305\230\361\346\006\050\221\252\040
\305\267\123\046\121\103\262\013\021\225\130\341\300\017\166\331
\300\215\174\201\363\162\160\236\157\376\032\216\331\137\065\306
\262\157\064\174\276\110\117\342\132\071\327\330\235\170\236\237
\206\076\003\136\031\213\104\242\325\307\002\003\001\000\001\243
\102\060\100\060\017\006\003\125\035\023\001\001\377\004\005\060
\003\001\001\377\060\016\006\003\125\035\017\001\001\377\004\004
\003\002\001\006\060\035\006\003\125\035\016\004\026\004\024\277
\131\040\066\000\171\240\240\042\153\214\325\362\141\322\270\054
\313\202\112\060\015\006\011\052\206\110\206\367\015\001\001\013
\005\000\003\202\001\001\000\061\003\242\141\013\037\164\350\162
\066\306\155\371\115\236\372\042\250\341\201\126\317\315\273\237
\352\253\221\031\070\257\252\174\025\115\363\266\243\215\245\364
\216\366\104\251\247\350\041\225\255\076\000\142\026\210\360\002
\272\374\141\043\346\063\233\060\172\153\066\142\173\255\004\043
\204\130\145\342\333\053\212\347\045\123\067\142\123\137\274\332
\001\142\051\242\246\047\161\346\072\042\176\301\157\035\225\160
\040\112\007\064\337\352\377\025\200\345\272\327\172\330\133\165
\174\005\172\051\107\176\100\250\061\023\167\315\100\073\264\121
\107\172\056\021\343\107\021\336\235\146\320\213\325\124\146\372
\203\125\352\174\302\051\211\033\351\157\263\316\342\005\204\311
\057\076\170\205\142\156\311\137\301\170\143\164\130\300\110\030
\014\231\071\353\244\314\032\265\171\132\215\025\234\330\024\015
\366\172\007\127\307\042\203\005\055\074\233\045\046\075\030\263
\251\103\174\310\310\253\144\217\016\243\277\234\033\235\060\333
\332\320\031\056\252\074\361\373\063\200\166\344\315\255\031\117
\005\047\216\023\241\156\302

END

CKA_NSS_MOZILLA_CA_POLICY

```

CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for "T-TeleSec GlobalRoot Class 2"
# Issuer: CN=T-TeleSec GlobalRoot Class 2,OU=T-Systems Trust Center,O=T-Systems Enterprise Services
GmbH,C=DE
# Serial Number: 1 (0x1)
# Subject: CN=T-TeleSec GlobalRoot Class 2,OU=T-Systems Trust Center,O=T-Systems Enterprise Services
GmbH,C=DE
# Not Valid Before: Wed Oct 01 10:40:14 2008
# Not Valid After : Sat Oct 01 23:59:59 2033
# Fingerprint (SHA-256):
91:E2:F5:78:8D:58:10:EB:A7:BA:58:73:7D:E1:54:8A:8E:CA:CD:01:45:98:BC:0B:14:3E:04:1B:17:05:25:52
#
Fingerprint (SHA1): 59:0D:2D:7D:88:4F:40:2E:61:7E:A5:62:32:17:65:CF:17:D8:94:E9
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "T-TeleSec GlobalRoot Class 2"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\131\015\055\175\210\117\100\056\141\176\245\142\062\027\145\317
\027\330\224\351
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\053\233\236\344\173\154\037\000\162\032\314\301\167\171\337\152
END
CKA_ISSUER MULTILINE_OCTAL
\060\201\202\061\013\060\011\006\003\125\004\006\023\002\104\105
\061\053\060\051\006\003\125\004\012\014\042\124\055\123\171\163
\164\145\155\163\040\105\156\164\145\162\160\162\151\163\145\040
\123\145\162\166\151\143\145\163\040\107\155\142\110\061\037\060
\035\006\003\125\004\013\014\026\124\055\123\171\163\164\145\155
\163\040\124\162\165\163\164\040\103\145\156\164\145\162\061\045
\060\043\006\003\125\004\003\014\034\124\055\124\145\154\145\123
\145\143\040\107\154\157\142\141\154\122\157\157\164\040\103\154
\141\163\163\040\062
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\001\001
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

```

```

#
# Certificate "Atos TrustedRoot 2011"
#
# Issuer: C=DE,O=Atos,CN=Atos TrustedRoot 2011
# Serial Number:5c:33:cb:62:2c:5f:b3:32
# Subject: C=DE,O=Atos,CN=Atos TrustedRoot 2011
# Not Valid Before: Thu Jul 07 14:58:30 2011
# Not Valid After : Tue Dec 31 23:59:59 2030
# Fingerprint (SHA-256):
F3:56:BE:A2:44:B7:A9:1E:B3:5D:53:CA:9A:D7:86:4A:CE:01:8E:2D:35:D5:F8:F9:6D:DF:68:A6:F4:1A:A4:74
# Fingerprint (SHA1): 2B:B1:F5:3E:55:0C:1D:C5:F1:D4:E6:B7:6A:46:4B:55:06:02:AC:21
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL
CK_FALSE
CKA_LABEL UTF8 "Atos TrustedRoot 2011"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\074\061\036\060\034\006\003\125\004\003\014\025\101\164\157
\163\040\124\162\165\163\164\145\144\122\157\157\164\040\062\060
\061\061\061\015\060\013\006\003\125\004\012\014\004\101\164\157
\163\061\013\060\011\006\003\125\004\006\023\002\104\105
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\074\061\036\060\034\006\003\125\004\003\014\025\101\164\157
\163\040\124\162\165\163\164\145\144\122\157\157\164\040\062\060
\061\061\061\015\060\013\006\003\125\004\012\014\004\101\164\157
\163\061\013\060\011\006\003\125\004\006\023\002\104\105
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\010\134\063\313\142\054\137\263\062
END
CKA_VALUE MULTILINE_OCTAL
\060\202\003\167\060\202\002\137\240\003\002\001\002\002\010\134
\063\313\142\054\137\263\062\060\015\006\011\052\206\110\206\367
\015\001\001\013\005\000\060\074\061\036\060\034\006\003\125\004
\003\014\025\101\164\157\163\040\124\162\165\163\164\145\144\122
\157\157\164\040\062\060\061\061\061\015\060\013\006\003\125\004
\012\014\004\101\164\157\163\061\013\060\011\006\003\125\004\006
\023\002\104\105\060\036\027\015\061\061\060\067\060\067\061\064
\065\070\063\060\132\027\015\063\060\061\062\063\061\062\063\065
\071\065\071\132\060\074\061\036\060\034\006\003\125\004\003\014
\025\101\164\157\163\040\124\162\165\163\164\145\144\122\157\157
\164\040\062\060\061\061\061\015\060\013\006\003\125\004\012\014
\004\101\164\157\163\061\013\060\011\006\003\125\004\006\023\002
\104\105\060\202\001\042\060\015\006\011\052\206\110\206\367\015

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\001\001\001\005\000\003\202\001\017\000\060\202\001\012\002\202
\001\001\000\225\205\073\227\157\052\073\056\073\317\246\363\051
\065\276\317\030\254\076\252\331\370\115\240\076\032\107\271\274
\232\337\362\376\314\076\107\350\172\226\302\044\216\065\364\251
\014\374\202\375\155\301\162\142\047\275\352\153\353\347\212\314
\124\076\220\120\317\200\324\225\373\350\265\202\324\024\305\266
\251\125\045\127\333\261\120\366\260\140\144\131\172\151\317\003
\267\157\015\276\312\076\157\164\162\352\252\060\052\163\142\276
\111\221\141\310\021\376\016\003\052\367\152\040\334\002\025\015
\136\025\152\374\343\202\301\265\305\235\144\011\154\243\131\230
\007\047\307\033\226\053\141\164\161\154\103\361\367\065\211\020
\340\236\354\125\241\067\042\242\207\004\005\054\107\175\264\034
\271\142\051\146\050\312\267\341\223\365\244\224\003\231\271\160
\205\265\346\110\352\215\120\374\331\336\314\157\007\016\335\013
\162\235\200\060\026\007\225\077\050\016\375\305\165\117\123\326
\164\232\264\044\056\216\002\221\317\166\305\233\036\125\164\234
\170\041\261\360\055\361\013\237\302\325\226\030\037\360\124\042
\172\214\007\002\003\001\000\001\243\175\060\173\060\035\006\003
\125\035\016\004\026\004\024\247\245\006\261\054\246\011\140\356
\321\227\351\160\256\274\073\031\154\333\041\060\017\006\003\125
\035\023\001\001\377\004\005\060\003\001\001\377\060\037\006\003
\125\035\043\004\030\060\026\200\024\247\245\006\261\054\246\011
\140\356\321\227\351\160\256\274\073\031\154\333\041\060\030\006
\003\125\035\040\004\021\060\017\060\015\006\013\053\006\001\004
\001\260\055\003\004\001\001\060\016\006\003\125\035\017\001\001
\377\004\004\003\002\001\206\060\015\006\011\052\206\110\206\367
\015\001\001\013\005\000\003\202\001\001\000\046\167\064\333\224
\110\206\052\101\235\054\076\006\220\140\304\214\254\013\124\270
\037\271\173\323\007\071\344\372\076\173\262\075\116\355\237\043
\275\227\363\153\134\357\356\375\100\246\337\241\223\241\012\206
\254\357\040\320\171\001\275\170\367\031\330\044\061\064\004\001
\246\272\025\232\303\047\334\330\117\017\314\030\143\377\231\017
\016\221\153\165\026\341\041\374\330\046\307\107\267\246\317\130
\162\161\176\272\341\115\225\107\073\311\257\155\241\264\301\354
\211\366\264\017\070\265\342\144\334\045\317\246\333\353\232\134
\231\241\305\010\336\375\346\332\325\326\132\105\014\304\267\302
\265\024\357\264\021\377\016\025\265\365\365\333\306\275\353\132
\247\360\126\042\251\074\145\124\306\025\250\275\206\236\315\203
\226\150\172\161\201\211\341\013\341\352\021\033\150\010\314\151
\236\354\236\101\236\104\062\046\172\342\207\012\161\075\353\344
\132\244\322\333\305\315\306\336\140\177\271\363\117\104\222\357
\052\267\030\076\247\031\331\013\175\261\067\101\102\260\272\140
\035\362\376\011\021\260\360\207\173\247\235

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

```

# Trust for "Atos TrustedRoot 2011"
# Issuer: C=DE,O=Atos,CN=Atos TrustedRoot 2011
# Serial Number:5c:33:cb:62:2c:5f:b3:32
# Subject: C=DE,O=Atos,CN=Atos TrustedRoot 2011
# Not Valid Before: Thu Jul 07 14:58:30 2011
# Not Valid After : Tue Dec 31 23:59:59 2030
# Fingerprint (SHA-256):
F3:56:BE:A2:44:B7:A9:1E:B3:5D:53:CA:9A:D7:86:4A:CE:01:8E:2D:35:D5:F8:F9:6D:DF:68:A6:F4:1A:A4:74
# Fingerprint (SHA1): 2B:B1:F5:3E:55:0C:1D:C5:F1:D4:E6:B7:6A:46:4B:55:06:02:AC:21
CKA_CLASS
CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Atos TrustedRoot 2011"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\053\261\365\076\125\014\035\305\361\324\346\267\152\106\113\125
\006\002\254\041
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\256\271\304\062\113\254\177\135\146\314\167\224\273\052\167\126
END
CKA_ISSUER MULTILINE_OCTAL
\060\074\061\036\060\034\006\003\125\004\003\014\025\101\164\157
\163\040\124\162\165\163\164\145\144\122\157\157\164\040\062\060
\061\061\061\015\060\013\006\003\125\004\012\014\004\101\164\157
\163\061\013\060\011\006\003\125\004\006\023\002\104\105
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\010\134\063\313\142\054\137\263\062
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate
# "QuoVadis Root CA 1 G3"
#
# Issuer: CN=QuoVadis Root CA 1 G3,O=QuoVadis Limited,C=BM
# Serial Number:78:58:5f:2e:ad:2c:19:4b:e3:37:07:35:34:13:28:b5:96:d4:65:93
# Subject: CN=QuoVadis Root CA 1 G3,O=QuoVadis Limited,C=BM
# Not Valid Before: Thu Jan 12 17:27:44 2012
# Not Valid After : Sun Jan 12 17:27:44 2042
# Fingerprint (SHA-256):
8A:86:6F:D1:B2:76:B5:7E:57:8E:92:1C:65:82:8A:2B:ED:58:E9:F2:F2:88:05:41:34:B7:F1:F4:BF:C9:CC:74

```

Fingerprint (SHA1): 1B:8E:EA:57:96:29:1A:C9:39:EA:B8:0A:81:1A:73:73:C0:93:79:67

```
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "QuoVadis Root CA 1 G3"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\110\061\013\060\011\006\003\125\004\006\023\002\102\115\061
\031\060\027\006\003\125\004\012\023\020\121\165\157\126\141\144
\151\163\040\114\151\155\151\164\145\144\061\036\060\034\006\003
\125\004\003\023\025\121\165\157\126\141\144\151\163\040\122\157
\157\164\040\103\101\040\061\040\107\063
END
CKA_ID
UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\110\061\013\060\011\006\003\125\004\006\023\002\102\115\061
\031\060\027\006\003\125\004\012\023\020\121\165\157\126\141\144
\151\163\040\114\151\155\151\164\145\144\061\036\060\034\006\003
\125\004\003\023\025\121\165\157\126\141\144\151\163\040\122\157
\157\164\040\103\101\040\061\040\107\063
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\024\170\130\137\056\255\054\031\113\343\067\007\065\064\023
\050\265\226\324\145\223
END
CKA_VALUE MULTILINE_OCTAL
\060\202\005\140\060\202\003\110\240\003\002\001\002\002\024\170
\130\137\056\255\054\031\113\343\067\007\065\064\023\050\265\226
\324\145\223\060\015\006\011\052\206\110\206\367\015\001\001\013
\005\000\060\110\061\013\060\011\006\003\125\004\006\023\002\102
\115\061\031\060\027\006\003\125\004\012\023\020\121\165\157\126
\141\144\151\163\040\114\151\155\151\164\145\144\061\036\060\034
\006\003\125\004\003\023\025\121\165\157\126\141\144\151\163\040
\122\157\157\164\040\103\101\040\061\040\107\063\060\036\027\015
\061\062\060\061\061\062\061\067\062\067\064\064\132\027\015\064
\062\060\061\061\062\061\067\062\067\064\064\132\060\110\061\013
\060\011\006\003\125\004\006\023\002\102\115\061\031\060\027\006
\003\125\004\012\023\020\121\165\157\126\141\144\151\163\040\114
\151\155\151\164\145\144\061\036\060\034\006\003\125\004\003\023
\025\121\165\157\126\141\144\151\163\040\122\157\157\164\040\103
\101\040\061\040\107\063\060\202\002\042\060\015\006\011\052\206
\110\206\367\015\001\001\001\005\000\003\202\002\017\000\060\202
\002\012\002\202\002\001\000\240\276\120\020\216\351\362\154\100
\264\004\234\205\271\061\312\334\055\344\021\251\004\074\033\125
\301\347\130\060\035\044\264\303\357\205\336\214\054\341\301\075
\337\202\346\117\255\107\207\154\354\133\111\301\112\325\273\217
```

\354\207\254\177\202\232\206\354\075\003\231\122\001\322\065\236
\254\332\360\123\311\146\074\324\254\002\001\332\044\323\073\250
\002\106\257\244\034\343\370\163\130\166\267\366\016\220\015\265
\360\317\314\372\371\306\114\345\303\206\060\012\215\027\176\065
\353\305\337\273\016\234\300\215\207\343\210\070\205\147\372\076
\307\253\340\023\234\005\030\230\317\223\365\261\222\264\374\043
\323\317\325\304\047\111\340\236\074\233\010\243\213\135\052\041
\340\374\071\252\123\332\175\176\317\032\011\123\274\135\005\004
\317\241\112\217\213\166\202\015\241\370\322\307\024\167\133\220
\066\007\201\233\076\006\372\122\136\143\305\246\000\376\245\351
\122\033\122\265\222\071\162\003\011\142\275\260\140\026\156\246
\335\045\302\003\146\335\363\004\321\100\342\116\213\206\364\157
\345\203\240\047\204\136\004\301\365\220\275\060\075\304\357\250
\151\274\070\233\244\244\226\321\142\332\151\300\001\226\256\313
\304\121\064\352\014\252\377\041\216\131\217\112\134\344\141\232
\247\322\351\052\170\215\121\075\072\025\356\242\131\216\251\134
\336\305\371\220\042\345\210\105\161\335\221\231\154\172\237\075
\075\230\174\136\366\276\026\150\240\136\256\013\043\374\132\017
\252\042\166\055\311\241\020\035\344\323\104\043\220\210\237\306
\052\346\327\365\232\263\130\036\057\060\211\010\033\124\242\265
\230\043\354\010\167\034\225\135\141\321\313\211\234\137\242\112
\221\232\357\041\252\111\026\010\250\275\141\050\061\311\164\255
\205\366\331\305\261\213\321\345\020\062\115\137\213\040\072\074
\111\037\063\205\131\015\333\313\011\165\103\151\163\373\153\161
\175\360\337\304\114\175\306\243\056\310\225\171\313\163\242\216
\116\115\044\373\136\344\004\276\162\033\246\047\055\111\132\231
\172\327\134\011\040\267\177\224\271\117\361\015\034\136\210\102
\033\021\267\347\221\333\236\154\364\152\337\214\006\230\003\255
\314\050\357\245\107\363\123\002\003\001\000\001\243\102\060\100
\060\017\006\003\125\035\023\001\001\377\004\005\060\003\001\001
\377\060\016\006\003\125\035\017\001\001\377\004\004\003\002\001
\006\060\035\006\003\125\035\016\004\026\004\024\243\227\326\363
\136\242\020\341\253\105\237\074\027\144\074\356\001\160\234\314
\060\015\006\011\052\206\110\206\367\015\001\001\013\005\000\003
\202\002\001\000\030\372\133\165\374\076\172\307\137\167\307\312
\337\317\137\303\022\304\100\135\324\062\252\270\152\327\325\025
\025\106\230\043\245\346\220\133\030\231\114\343\255\102\243\202
\061\066\210\315\351\373\304\004\226\110\213\001\307\215\001\317
\133\063\006\226\106\146\164\035\117\355\301\266\271\264\015\141
\314\143\176\327\056\167\214\226\034\052\043\150\153\205\127\166
\160\063\023\376\341\117\246\043\167\030\372\032\214\350\275\145
\311\317\077\364\311\027\334\353\307\274\300\004\056\055\106\057
\151\146\303\033\217\376\354\076\323\312\224\277\166\012\045\015
\251\173\002\034\251\320\073\137\013\300\201\072\075\144\341\277
\247\055\116\275\115\304\330\051\306\042\030\320\305\254\162\002
\202\077\252\072\242\072\042\227\061\335\010\143\303\165\024\271
\140\050\055\133\150\340\026\251\146\202\043\121\365\353\123\330
\061\233\173\351\267\235\113\353\210\026\317\371\135\070\212\111

```
\060\217\355\361\353\031\364\167\032\061\030\115\147\124\154\057
\157\145\371\333\075\354\041\354\136\364\364\213\312\140\145\124
\321\161\144\364\371\246\243\201\063\066\063\161\360\244\170\137
\116\255\203\041\336\064\111\215\350\131\254\235\362\166\132\066
\362\023\364\257\340\011\307\141\052\154\367\340\235\256\273\206
\112\050\157\056\356\264\171\315\220\063\303\263\166\372\365\360
\154\235\001\220\372\236\220\366\234\162\317\107\332\303\037\344
\065\040\123\362\124\321\337\141\203\246\002\342\045\070\336\205
\062\055\136\163\220\122\135\102\304\316\075\113\341\371\031\204
\035\325\242\120\314\101\373\101\024\303\275\326\311\132\243\143
\146\002\200\275\005\072\073\107\234\354\000\046\114\365\210\121
\277\250\043\177\030\007\260\013\355\213\046\241\144\323\141\112
\353\134\237\336\263\257\147\003\263\037\335\155\135\151\150\151
\253\136\072\354\174\151\274\307\073\205\116\236\025\271\264\025
\117\303\225\172\130\327\311\154\351\154\271\363\051\143\136\264
\054\360\055\075\355\132\145\340\251\133\100\302\110\231\201\155
\236\037\006\052\074\022\264\213\017\233\242\044\360\246\215\326
\172\340\113\266\144\226\143\225\204\302\112\315\034\056\044\207
\063\140\345\303
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "QuoVadis Root CA 1 G3"

Issuer: CN=QuoVadis Root CA 1 G3,O=QuoVadis Limited,C=BM

Serial Number:78:58:5f:2e:ad:2c:19:4b:e3:37:07:35:34:13:28:b5:96:d4:65:93

Subject: CN=QuoVadis Root CA 1 G3,O=QuoVadis Limited,C=BM

Not Valid Before: Thu Jan 12 17:27:44 2012

Not Valid After : Sun Jan 12 17:27:44 2042

Fingerprint (SHA-256):

8A:86:6F:D1:B2:76:B5:7E:57:8E:92:1C:65:82:8A:2B:ED:58:E9:F2:F2:88:05:41:34:B7:F1:F4:BF:C9:CC:74

Fingerprint (SHA1): 1B:8E:EA:57:96:29:1A:C9:39:EA:B8:0A:81:1A:73:73:C0:93:79:67

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "QuoVadis

Root CA 1 G3"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\033\216\352\127\226\051\032\311\071\352\270\012\201\032\163\163
\300\223\171\147
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\244\274\133\077\376\067\232\372\144\360\342\372\005\075\013\253
```

END

CKA_ISSUER MULTILINE_OCTAL

```
\060\110\061\013\060\011\006\003\125\004\006\023\002\102\115\061
\031\060\027\006\003\125\004\012\023\020\121\165\157\126\141\144
\151\163\040\114\151\155\151\164\145\144\061\036\060\034\006\003
\125\004\003\023\025\121\165\157\126\141\144\151\163\040\122\157
\157\164\040\103\101\040\061\040\107\063
```

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

```
\002\024\170\130\137\056\255\054\031\113\343\067\007\065\064\023
\050\265\226\324\145\223
```

END

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#

Certificate "QuoVadis Root CA 2 G3"

#

Issuer: CN=QuoVadis Root CA

2 G3,O=QuoVadis Limited,C=BM

Serial Number:44:57:34:24:5b:81:89:9b:35:f2:ce:b8:2b:3b:5b:a7:26:f0:75:28

Subject: CN=QuoVadis Root CA 2 G3,O=QuoVadis Limited,C=BM

Not Valid Before: Thu Jan 12 18:59:32 2012

Not Valid After : Sun Jan 12 18:59:32 2042

Fingerprint (SHA-256):

8F:E4:FB:0A:F9:3A:4D:0D:67:DB:0B:EB:B2:3E:37:C7:1B:F3:25:DC:BC:DD:24:0E:A0:4D:AF:58:B4:7E:18:40

Fingerprint (SHA1): 09:3C:61:F3:8B:8B:DC:7D:55:DF:75:38:02:05:00:E1:25:F5:C8:36

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "QuoVadis Root CA 2 G3"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL

```
\060\110\061\013\060\011\006\003\125\004\006\023\002\102\115\061
\031\060\027\006\003\125\004\012\023\020\121\165\157\126\141\144
\151\163\040\114\151\155\151\164\145\144\061\036\060\034\006\003
\125\004\003\023\025\121\165\157\126\141\144\151\163\040\122\157
\157\164\040\103\101\040\062\040\107\063
```

END

CKA_ID

UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

```
\060\110\061\013\060\011\006\003\125\004\006\023\002\102\115\061
\031\060\027\006\003\125\004\012\023\020\121\165\157\126\141\144
\151\163\040\114\151\155\151\164\145\144\061\036\060\034\006\003
\125\004\003\023\025\121\165\157\126\141\144\151\163\040\122\157
\157\164\040\103\101\040\062\040\107\063
```

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\002\024\104\127\064\044\133\201\211\233\065\362\316\270\053\073
\133\247\046\360\165\050

END

CKA_VALUE MULTILINE_OCTAL

\060\202\005\140\060\202\003\110\240\003\002\001\002\002\024\104
\127\064\044\133\201\211\233\065\362\316\270\053\073\133\247\046
\360\165\050\060\015\006\011\052\206\110\206\367\015\001\001\013
\005\000\060\110\061\013\060\011\006\003\125\004\006\023\002\102
\115\061\031\060\027\006\003\125\004\012\023\020\121\165\157\126
\141\144\151\163\040\114\151\155\151\164\145\144\061\036\060\034
\006\003\125\004\003\023\025\121\165\157\126\141\144\151\163\040
\122\157\157\164\040\103\101\040\062\040\107\063\060\036\027\015
\061\062\060\061\061\062\061\070\065\071\063\062\132\027\015\064
\062\060\061\061\062\061\070\065\071\063\062\132\060\110\061\013
\060\011\006\003\125\004\006\023\002\102\115\061\031\060\027\006
\003\125\004\012\023\020\121\165\157\126\141\144\151\163\040\114
\151\155\151\164\145\144\061\036\060\034\006\003\125\004\003\023
\025\121\165\157\126\141\144\151\163\040\122\157\157\164\040\103
\101\040\062\040\107\063\060\202\002\042\060\015\006\011\052\206
\110\206\367\015\001\001\001\005\000\003\202\002\017\000\060\202
\002\012\002\202\002\001\000\241\256\045\262\001\030\334\127\210
\077\106\353\371\257\342\353\043\161\342\232\321\141\146\041\137
\252\257\047\121\345\156\033\026\324\055\175\120\260\123\167\275
\170\072\140\342\144\002\233\174\206\233\326\032\216\255\377\037
\025\177\325\225\036\022\313\346\024\204\004\301\337\066\263\026
\237\212\343\311\333\230\064\316\330\063\027\050\106\374\247\311
\360\322\264\325\115\011\162\111\371\362\207\343\251\332\175\241
\175\153\262\072\045\251\155\122\104\254\370\276\156\373\334\246
\163\221\220\141\246\003\024\040\362\347\207\243\210\255\255\240
\214\377\246\013\045\122\045\347\026\001\325\313\270\065\201\014
\243\073\360\341\341\374\132\135\316\200\161\155\370\111\253\076
\073\272\270\327\200\001\373\245\353\133\263\305\136\140\052\061
\240\257\067\350\040\072\237\250\062\054\014\314\011\035\323\236
\216\135\274\114\230\356\305\032\150\173\354\123\246\351\024\065
\243\337\315\200\237\014\110\373\034\364\361\277\112\270\372\325
\214\161\112\307\037\255\376\101\232\263\203\135\362\204\126\357
\245\127\103\316\051\255\214\253\125\277\304\373\133\001\335\043
\041\241\130\000\216\303\320\152\023\355\023\343\022\053\200\334
\147\346\225\262\315\036\042\156\052\370\101\324\362\312\024\007
\215\212\125\022\306\151\365\270\206\150\057\123\136\260\322\252
\041\301\230\346\060\343\147\125\307\233\156\254\031\250\125\246
\105\006\320\043\072\333\353\145\135\052\021\021\360\073\117\312
\155\364\064\304\161\344\377\000\132\366\134\256\043\140\205\163
\361\344\020\261\045\256\325\222\273\023\301\014\340\071\332\264
\071\127\265\253\065\252\162\041\073\203\065\347\061\337\172\041
\156\270\062\010\175\035\062\221\025\112\142\162\317\343\167\241

\274\325\021\033\166\001\147\010\340\101\013\303\353\025\156\370
\244\031\331\242\253\257\342\047\122\126\053\002\212\054\024\044
\371\277\102\002\277\046\310\306\217\340\156\070\175\123\055\345
\355\230\263\225\143\150\177\371\065\364\337\210\305\140\065\222
\300\174\151\034\141\225\026\320\353\336\013\257\076\004\020\105
\145\130\120\070\257\110\362\131\266\026\362\074\015\220\002\306
\160\056\001\255\074\025\327\002\003\001\000\001\243\102\060\100
\060\017\006\003\125\035\023\001\001\377\004\005\060\003\001\001
\377\060\016\006\003\125\035\017\001\001\377\004\004\003\002\001
\006\060\035\006\003\125\035\016\004\026\004\024\355\347\157\166
\132\277\140\354\111\133\306\245\167\273\162\026\161\233\304\075
\060\015\006\011\052\206\110\206\367\015\001\001\013\005\000\003
\202\002\001\000\221\337\200\077\103\011\176\161\302\367\353\263
\210\217\341\121\262\274\075\165\371\050\135\310\274\231\233\173
\135\252\345\312\341\012\367\350\262\323\237\335\147\061\176\272
\001\252\307\152\101\073\220\324\010\134\262\140\152\220\360\310
\316\003\142\371\213\355\373\156\052\334\006\115\074\051\017\211
\026\212\130\114\110\017\350\204\141\352\074\162\246\167\344\102
\256\210\243\103\130\171\176\256\312\245\123\015\251\075\160\275
\040\031\141\244\154\070\374\103\062\341\301\107\377\370\354\361
\021\042\062\226\234\302\366\133\151\226\173\040\014\103\101\232
\133\366\131\031\210\336\125\210\067\121\013\170\134\012\036\243
\102\375\307\235\210\017\300\362\170\002\044\124\223\257\211\207
\210\311\112\200\035\352\320\156\076\141\056\066\273\065\016\047
\226\375\146\064\073\141\162\163\361\026\134\107\006\124\111\000
\172\130\022\260\012\357\205\375\261\270\063\165\152\223\034\022
\346\140\136\157\035\177\311\037\043\313\204\141\237\036\202\104
\371\137\255\142\125\044\232\122\230\355\121\347\241\176\227\072
\346\057\037\021\332\123\200\054\205\236\253\065\020\333\042\137
\152\305\136\227\123\362\062\002\011\060\243\130\360\015\001\325
\162\306\261\174\151\173\303\365\066\105\314\141\156\136\114\224
\305\136\256\350\016\136\213\277\367\315\340\355\241\016\033\063
\356\124\030\376\017\276\357\176\204\153\103\343\160\230\333\135
\165\262\015\131\007\205\025\043\071\326\361\337\251\046\017\326
\110\307\263\246\042\365\063\067\132\225\107\237\173\272\030\025
\157\377\326\024\144\203\111\322\012\147\041\333\017\065\143\140
\050\042\343\261\225\203\315\205\246\335\057\017\347\147\122\156
\273\057\205\174\365\112\163\347\305\076\300\275\041\022\005\077
\374\267\003\111\002\133\310\045\346\342\124\070\365\171\207\214
\035\123\262\116\205\173\006\070\307\054\370\370\260\162\215\045
\345\167\122\364\003\034\110\246\120\137\210\040\060\156\362\202
\103\253\075\227\204\347\123\373\041\301\117\017\042\232\206\270
\131\052\366\107\075\031\210\055\350\205\341\236\354\205\010\152
\261\154\064\311\035\354\110\053\073\170\355\146\304\216\171\151
\203\336\177\214

END

CKA_NSS_MOZILLA_CA_POLICY


```

CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for "QuoVadis Root CA 2 G3"
# Issuer: CN=QuoVadis Root CA 2 G3,O=QuoVadis Limited,C=BM
# Serial Number:44:57:34:24:5b:81:89:9b:35:f2:ce:b8:2b:3b:5b:a7:26:f0:75:28
# Subject: CN=QuoVadis Root CA 2 G3,O=QuoVadis Limited,C=BM
# Not Valid Before: Thu Jan 12 18:59:32 2012
# Not Valid After : Sun Jan 12 18:59:32 2042
# Fingerprint (SHA-256):
8F:E4:FB:0A:F9:3A:4D:0D:67:DB:0B:EB:B2:3E:37:C7:1B:F3:25:DC:BC:DD:24:0E:A0:4D:AF:58:B4:7E:18:40
# Fingerprint (SHA1): 09:3C:61:F3:8B:8B:DC:7D:55:DF:75:38:02:05:00:E1:25:F5:C8:36
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "QuoVadis Root CA 2 G3"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\011\074\141\363\213\213\334\175\125\337\165\070\002\005\000\341
\045\365\310\066
END
CKA_CERT_MD5_HASH
MULTILINE_OCTAL
\257\014\206\156\277\100\055\177\013\076\022\120\272\022\075\006
END
CKA_ISSUER MULTILINE_OCTAL
\060\110\061\013\060\011\006\003\125\004\006\023\002\102\115\061
\031\060\027\006\003\125\004\012\023\020\121\165\157\126\141\144
\151\163\040\114\151\155\151\164\145\144\061\036\060\034\006\003
\125\004\003\023\025\121\165\157\126\141\144\151\163\040\122\157
\157\164\040\103\101\040\062\040\107\063
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\024\104\127\064\044\133\201\211\233\065\362\316\270\053\073
\133\247\046\360\165\050
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "QuoVadis Root CA 3 G3"
#
# Issuer: CN=QuoVadis Root CA 3 G3,O=QuoVadis Limited,C=BM
# Serial Number:2e:f5:9b:02:28:a7:db:7a:ff:d5:a3:a9:ee:bd:03:a0:cf:12:6a:1d
#

```

Subject: CN=QuoVadis Root CA 3 G3,O=QuoVadis Limited,C=BM
Not Valid Before: Thu Jan 12 20:26:32 2012
Not Valid After : Sun Jan 12 20:26:32 2042
Fingerprint (SHA-256):
88:EF:81:DE:20:2E:B0:18:45:2E:43:F8:64:72:5C:EA:5F:BD:1F:C2:D9:D2:05:73:07:09:C5:D8:B8:69:0F:46
Fingerprint (SHA1): 48:12:BD:92:3C:A8:C4:39:06:E7:30:6D:27:96:E6:A4:CF:22:2E:7D
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "QuoVadis Root CA 3 G3"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\110\061\013\060\011\006\003\125\004\006\023\002\102\115\061
\031\060\027\006\003\125\004\012\023\020\121\165\157\126\141\144
\151\163\040\114\151\155\151\164\145\144\061\036\060\034\006\003
\125\004\003\023\025\121\165\157\126\141\144\151\163\040\122\157
\157\164\040\103\101\040\063\040\107\063
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\110\061\013\060\011\006\003\125\004\006\023\002\102\115\061
\031\060\027\006\003\125\004\012\023\020\121\165\157\126\141\144
\151\163\040\114\151\155\151\164\145\144\061\036\060\034\006\003
\125\004\003\023\025\121\165\157\126\141\144\151\163\040\122\157
\157\164\040\103\101\040\063\040\107\063
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\024\056\365\233\002\050\247\333\172\377\325\243\251\356\275
\003\240\317\022\152\035
END
CKA_VALUE MULTILINE_OCTAL
\060\202\005\140\060\202\003\110\240\003\002\001\002\002\024\056
\365\233\002\050\247\333\172\377\325\243\251\356\275\003\240\317
\022\152\035\060\015\006\011\052\206\110\206\367\015\001\001\013
\005\000\060\110\061\013\060\011\006\003\125\004\006\023\002\102
\115\061\031\060\027\006\003\125\004\012\023\020\121\165\157\126
\141\144\151\163\040\114\151\155\151\164\145\144\061\036\060\034
\006\003\125\004\003\023\025\121\165\157\126\141\144\151\163\040
\122\157\157\164\040\103\101\040\063\040\107\063\060\036\027\015
\061\062\060\061\061\062\062\060\062\066\063\062\132\027\015\064
\062\060\061\061\062\062\060\062\066\063\062\132\060\110\061\013
\060\011\006\003\125\004\006\023\002\102\115\061\031\060\027\006
\003\125\004\012\023\020\121\165\157\126\141\144\151\163\040\114
\151\155\151\164\145\144\061\036\060\034\006\003\125\004\003\023
\025\121\165\157\126\141\144\151\163\040\122\157\157\164\040\103
\101\040\063\040\107\063\060\202\002\042\060\015\006\011\052\206

\110\206\367\015\001\001\001\005\000\003\202\002\017\000\060\202
\002\012\002\202\002\001\000\263\313\016\020\147\216\352\024\227
\247\062\052\012\126\066\177\150\114\307\263\157\072\043\024\221
\377\031\177\245\312\254\356\263\166\235\172\351\213\033\253\153
\061\333\372\013\123\114\257\305\245\032\171\074\212\114\377\254
\337\045\336\116\331\202\062\013\104\336\312\333\214\254\243\156
\026\203\073\246\144\113\062\211\373\026\026\070\176\353\103\342
\323\164\112\302\142\012\163\012\335\111\263\127\322\260\012\205
\235\161\074\336\243\313\300\062\363\001\071\040\103\033\065\321
\123\263\261\356\305\223\151\202\076\026\265\050\106\241\336\352
\211\011\355\103\270\005\106\212\206\365\131\107\276\033\157\001
\041\020\271\375\251\322\050\312\020\071\011\312\023\066\317\234
\255\255\100\164\171\053\002\077\064\377\372\040\151\175\323\356
\141\365\272\263\347\060\320\067\043\206\162\141\105\051\110\131
\150\157\167\246\056\201\276\007\115\157\257\316\304\105\023\221
\024\160\006\217\037\237\370\207\151\261\016\357\303\211\031\353
\352\034\141\374\172\154\212\334\326\003\013\236\046\272\022\335
\324\124\071\253\046\243\063\352\165\201\332\055\315\017\117\344
\003\321\357\025\227\033\153\220\305\002\220\223\146\002\041\261
\107\336\213\232\112\200\271\125\217\265\242\057\300\326\063\147
\332\176\304\247\264\004\104\353\107\373\346\130\271\367\014\360
\173\053\261\300\160\051\303\100\142\055\073\110\151\334\043\074
\110\353\173\011\171\251\155\332\250\060\230\317\200\162\003\210
\246\133\106\256\162\171\174\010\003\041\145\256\267\341\034\245
\261\052\242\061\336\146\004\367\300\164\350\161\336\377\075\131
\314\226\046\022\213\205\225\127\032\253\153\165\013\104\075\021
\050\074\173\141\267\342\217\147\117\345\354\074\114\140\200\151
\127\070\036\001\133\215\125\350\307\337\300\314\167\043\064\111
\165\174\366\230\021\353\055\336\355\101\056\024\005\002\177\340
\376\040\353\065\347\021\254\042\316\127\075\336\311\060\155\020
\003\205\315\361\377\214\026\265\301\262\076\210\154\140\177\220
\117\225\367\366\055\255\001\071\007\004\372\165\200\175\277\111
\120\355\357\311\304\174\034\353\200\176\333\266\320\335\023\376
\311\323\234\327\262\227\251\002\003\001\000\001\243\102\060\100
\060\017\006\003\125\035\023\001\001\377\004\005\060\003\001\001
\377\060\016\006\003\125\035\017\001\001\377\004\004\003\002\001
\006\060\035\006\003\125\035\016\004\026\004\024\306\027\320\274
\250\352\002\103\362\033\006\231\135\053\220\040\271\327\234\344
\060\015\006\011\052\206\110\206\367\015\001\001\013\005\000\003
\202\002\001\000\064\141\331\126\265\022\207\125\115\335\243\065
\061\106\273\244\007\162\274\137\141\142\350\245\373\013\067\261
\074\266\263\372\051\235\177\002\365\244\311\250\223\267\172\161
\050\151\217\163\341\122\220\332\325\276\072\345\267\166\152\126
\200\041\337\135\346\351\072\236\345\076\366\242\151\307\052\012
\260\030\107\334\040\160\175\122\243\076\131\174\301\272\311\310
\025\100\141\312\162\326\160\254\322\267\360\034\344\206\051\360
\316\357\150\143\320\265\040\212\025\141\232\176\206\230\264\311
\302\166\373\314\272\060\026\314\243\141\306\164\023\345\153\357

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\243\025\352\003\376\023\213\144\344\323\301\322\350\204\373\111
\321\020\115\171\146\353\252\375\364\215\061\036\160\024\255\334
\336\147\023\114\201\025\141\274\267\331\221\167\161\031\201\140
\273\360\130\245\265\234\013\367\217\042\125\047\300\113\001\155
\073\231\015\324\035\233\143\147\057\320\356\015\312\146\274\224
\117\246\255\355\374\356\143\254\127\077\145\045\317\262\206\217
\320\010\377\270\166\024\156\336\345\047\354\253\170\265\123\271
\266\077\350\040\371\322\250\276\141\106\312\207\214\204\363\371
\361\240\150\233\042\036\201\046\233\020\004\221\161\300\006\037
\334\240\323\271\126\247\343\230\055\177\203\235\337\214\053\234
\062\216\062\224\360\001\074\042\052\237\103\302\056\303\230\071
\007\070\173\374\136\000\102\037\363\062\046\171\203\204\366\345
\360\301\121\022\300\013\036\004\043\014\124\245\114\057\111\305
\112\321\266\156\140\015\153\374\153\213\205\044\144\267\211\016
\253\045\107\133\074\317\176\111\275\307\351\012\306\332\367\176
\016\027\010\323\110\227\320\161\222\360\017\071\076\064\152\034
\175\330\362\042\256\273\151\364\063\264\246\110\125\321\017\016
\046\350\354\266\013\055\247\205\065\315\375\131\310\237\321\315
\076\132\051\064\271\075\204\316\261\145\324\131\221\221\126\165
\041\301\167\236\371\172\341\140\235\323\255\004\030\364\174\353
\136\223\217\123\112\042\051\370\110\053\076\115\206\254\133\177
\313\006\231\131\140\330\130\145\225\215\104\321\367\177\176\047
\177\175\256\200\365\007\114\266\076\234\161\124\231\004\113\375
\130\371\230\364
```

END

CKA_NSS_Mozilla_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "QuoVadis Root CA 3 G3"

Issuer: CN=QuoVadis Root CA 3 G3,O=QuoVadis Limited,C=BM

Serial Number:2e:f5:9b:02:28:a7:db:7a:ff:d5:a3:a9:ee:bd:03:a0:cf:12:6a:1d

Subject: CN=QuoVadis Root CA 3 G3,O=QuoVadis Limited,C=BM

Not Valid Before: Thu Jan 12 20:26:32 2012

Not Valid After : Sun Jan 12 20:26:32 2042

Fingerprint (SHA-256):

88:EF:81:DE:20:2E:B0:18:45:2E:43:F8:64:72:5C:EA:5F:BD:1F:C2:D9:D2:05:73:07:09:C5:D8:B8:69:0F:46

Fingerprint (SHA1): 48:12:BD:92:3C:A8:C4:39:06:E7:30:6D:27:96:E6:A4:CF:22:2E:7D

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "QuoVadis Root CA 3 G3"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\110\022\275\222\074\250\304\071\006\347\060\155\047\226\346\244
\317\042\056\175
```

END

```

CKA_CERT_MD5_HASH
MULTILINE_OCTAL
\337\175\271\255\124\157\150\241\337\211\127\003\227\103\260\327
END
CKA_ISSUER MULTILINE_OCTAL
\060\110\061\013\060\011\006\003\125\004\006\023\002\102\115\061
\031\060\027\006\003\125\004\012\023\020\121\165\157\126\141\144
\151\163\040\114\151\155\151\164\145\144\061\036\060\034\006\003
\125\004\003\023\025\121\165\157\126\141\144\151\163\040\122\157
\157\164\040\103\101\040\063\040\107\063
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\024\056\365\233\002\050\247\333\172\377\325\243\251\356\275
\003\240\317\022\152\035
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "DigiCert Assured ID Root G2"
#
# Issuer: CN=DigiCert Assured ID Root G2,OU=www.digicert.com,O=DigiCert Inc,C=US
# Serial Number:0b:93:1c:3a:d6:39:67:ea:67:23:bf:c3:af:9a:f4:4b
# Subject:
  CN=DigiCert Assured ID Root G2,OU=www.digicert.com,O=DigiCert Inc,C=US
# Not Valid Before: Thu Aug 01 12:00:00 2013
# Not Valid After : Fri Jan 15 12:00:00 2038
# Fingerprint (SHA-256):
7D:05:EB:B6:82:33:9F:8C:94:51:EE:09:4E:EB:FE:FA:79:53:A1:14:ED:B2:F4:49:49:45:2F:AB:7D:2F:C1:85
# Fingerprint (SHA1): A1:4B:48:D9:43:EE:0A:0E:40:90:4F:3C:E0:A4:C0:91:93:51:5D:3F
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "DigiCert Assured ID Root G2"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\145\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\025\060\023\006\003\125\004\012\023\014\104\151\147\151\103\145
\162\164\040\111\156\143\061\031\060\027\006\003\125\004\013\023
\020\167\167\167\056\144\151\147\151\143\145\162\164\056\143\157
\155\061\044\060\042\006\003\125\004\003\023\033\104\151\147\151
\103\145\162\164\040\101\163\163\165\162\145\144\040\111\104\040
\122\157\157\164\040\107\062
END
CKA_ID

```

UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

\060\145\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\025\060\023\006\003\125\004\012\023\014\104\151\147\151\103\145
\162\164\040\111\156\143\061\031\060\027\006\003\125\004\013\023
\020\167\167\167\056\144\151\147\151\143\145\162\164\056\143\157
\155\061\044\060\042\006\003\125\004\003\023\033\104\151\147\151
\103\145\162\164\040\101\163\163\165\162\145\144\040\111\104\040
\122\157\157\164\040\107\062

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\002\020\013\223\034\072\326\071\147\352\147\043\277\303\257\232
\364\113

END

CKA_VALUE MULTILINE_OCTAL

\060\202\003\226\060\202\002\176\240\003\002\001\002\002\020\013
\223\034\072\326\071\147\352\147\043\277\303\257\232\364\113\060
\015\006\011\052\206\110\206\367\015\001\001\013\005\000\060\145
\061\013\060\011\006\003\125\004\006\023\002\125\123\061\025\060
\023\006\003\125\004\012\023\014\104\151\147\151\103\145\162\164
\040\111\156\143\061\031\060\027\006\003\125\004\013\023\020\167
\167\167\056\144\151\147\151\143\145\162\164\056\143\157\155\061
\044\060\042\006\003\125\004\003\023\033\104\151\147\151\103\145
\162\164\040\101\163\163\165\162\145\144\040\111\104\040\122\157
\157\164\040\107\062\060\036\027\015\061\063\060\070\060\061\061
\062\060\060\060\060\132\027\015\063\070\060\061\061\065\061\062
\060\060\060\060\132\060\145\061\013\060\011\006\003\125\004\006
\023\002\125\123\061\025\060\023\006\003\125\004\012\023\014\104
\151\147\151\103\145\162\164\040\111\156\143\061\031\060\027\006
\003\125\004\013\023\020\167\167\167\056\144\151\147\151\143\145
\162\164\056\143\157\155\061\044\060\042\006\003\125\004\003\023
\033\104\151\147\151\103\145\162\164\040\101\163\163\165\162\145
\144\040\111\104\040\122\157\157\164\040\107\062\060\202\001\042
\060\015\006\011\052\206\110\206\367\015\001\001\001\005\000\003
\202\001\017\000\060\202\001\012\002\202\001\001\000\331\347\050
\057\122\077\066\162\111\210\223\064\363\370\152\036\061\124\200
\237\255\124\101\265\107\337\226\250\324\257\200\055\271\012\317
\165\375\211\245\175\044\372\343\042\014\053\274\225\027\013\063
\277\031\115\101\006\220\000\275\014\115\020\376\007\265\347\034
\156\042\125\061\145\227\275\323\027\322\036\142\363\333\352\154
\120\214\077\204\014\226\317\267\313\003\340\312\155\241\024\114
\033\211\335\355\000\260\122\174\257\221\154\261\070\023\321\351
\022\010\300\000\260\034\053\021\332\167\160\066\233\256\316\171
\207\334\202\160\346\011\164\160\125\151\257\243\150\237\277\335
\266\171\263\362\235\160\051\125\364\253\377\225\141\363\311\100
\157\035\321\276\223\273\323\210\052\273\235\277\162\132\126\161
\073\077\324\363\321\012\376\050\357\243\356\331\231\257\003\323
\217\140\267\362\222\241\261\275\211\211\037\060\315\303\246\056

```
\142\063\256\026\002\167\104\132\347\201\012\074\247\104\056\171
\270\077\004\274\134\240\207\341\033\257\121\216\315\354\054\372
\370\376\155\360\072\174\252\213\344\147\225\061\215\002\003\001
\000\001\243\102\060\100\060\017\006\003\125\035\023\001\001\377
\004\005\060\003\001\001\377\060\016\006\003\125\035\017\001\001
\377\004\004\003\002\001\206\060\035\006\003\125\035\016\004\026
\004\024\316\303\112\271\231\125\362\270\333\140\277\251\176\275
\126\265\227\066\247\326\060\015\006\011\052\206\110\206\367\015
\001\001\013\005\000\003\202\001\001\000\312\245\125\214\343\310
\101\156\151\047\247\165\021\357\074\206\066\157\322\235\306\170
\070\035\151\226\242\222\151\056\070\154\233\175\004\324\211\245
\261\061\067\212\311\041\314\253\154\315\213\034\232\326\277\110
\322\062\146\301\212\300\363\057\072\357\300\343\324\221\206\321
\120\343\003\333\163\167\157\112\071\123\355\336\046\307\265\175
\257\053\102\321\165\142\343\112\053\002\307\120\113\340\151\342
\226\154\016\104\146\020\104\217\255\005\353\370\171\254\246\033
\350\067\064\235\123\311\141\252\242\122\257\112\160\026\206\302
\072\310\261\023\160\066\330\317\356\364\012\064\325\133\114\375
\007\234\242\272\331\001\162\134\363\115\301\335\016\261\034\015
\304\143\276\255\364\024\373\211\354\242\101\016\114\314\310\127
\100\320\156\003\252\315\014\216\211\231\231\154\360\074\060\257
\070\337\157\274\243\276\051\040\047\253\164\377\023\042\170\336
\227\122\125\036\203\265\124\040\003\356\256\300\117\126\336\067
\314\303\177\252\004\047\273\323\167\270\142\333\027\174\234\050
\042\023\163\154\317\046\365\212\051\347
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "DigiCert Assured ID Root G2"

Issuer: CN=DigiCert Assured ID Root G2,OU=www.digicert.com,O=DigiCert Inc,C=US

Serial Number:0b:93:1c:3a:d6:39:67:ea:67:23:bf:c3:af:9a:f4:4b

Subject: CN=DigiCert Assured ID Root G2,OU=www.digicert.com,O=DigiCert Inc,C=US

Not Valid Before: Thu Aug 01 12:00:00 2013

Not Valid After : Fri Jan 15 12:00:00 2038

Fingerprint (SHA-256):

7D:05:EB:B6:82:33:9F:8C:94:51:EE:09:4E:EB:FE:FA:79:53:A1:14:ED:B2:F4:49:49:45:2F:AB:7D:2F:C1:85

#

Fingerprint (SHA1): A1:4B:48:D9:43:EE:0A:0E:40:90:4F:3C:E0:A4:C0:91:93:51:5D:3F

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "DigiCert Assured ID Root G2"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\241\113\110\331\103\356\012\016\100\220\117\074\340\244\300\221
```

```

\223\121\135\077
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\222\070\271\370\143\044\202\145\054\127\063\346\376\201\217\235
END
CKA_ISSUER MULTILINE_OCTAL
\060\145\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\025\060\023\006\003\125\004\012\023\014\104\151\147\151\103\145
\162\164\040\111\156\143\061\031\060\027\006\003\125\004\013\023
\020\167\167\167\056\144\151\147\151\143\145\162\164\056\143\157
\155\061\044\060\042\006\003\125\004\003\023\033\104\151\147\151
\103\145\162\164\040\101\163\163\165\162\145\144\040\111\104\040
\122\157\157\164\040\107\062
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\013\223\034\072\326\071\147\352\147\043\277\303\257\232
\364\113
END
CKA_TRUST_SERVER_AUTH
CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "DigiCert Assured ID Root G3"
#
# Issuer: CN=DigiCert Assured ID Root G3,OU=www.digicert.com,O=DigiCert Inc,C=US
# Serial Number:0b:a1:5a:fa:1d:df:a0:b5:49:44:af:cd:24:a0:6c:ec
# Subject: CN=DigiCert Assured ID Root G3,OU=www.digicert.com,O=DigiCert Inc,C=US
# Not Valid Before: Thu Aug 01 12:00:00 2013
# Not Valid After : Fri Jan 15 12:00:00 2038
# Fingerprint (SHA-256):
7E:37:CB:8B:4C:47:09:0C:AB:36:55:1B:A6:F4:5D:B8:40:68:0F:BA:16:6A:95:2D:B1:00:71:7F:43:05:3F:C2
# Fingerprint (SHA1): F5:17:A2:4F:9A:48:C6:C9:F8:A2:00:26:9F:DC:0F:48:2C:AB:30:89
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL
UTF8 "DigiCert Assured ID Root G3"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\145\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\025\060\023\006\003\125\004\012\023\014\104\151\147\151\103\145
\162\164\040\111\156\143\061\031\060\027\006\003\125\004\013\023
\020\167\167\167\056\144\151\147\151\143\145\162\164\056\143\157
\155\061\044\060\042\006\003\125\004\003\023\033\104\151\147\151

```



```
\103\145\162\164\040\101\163\163\165\162\145\144\040\111\104\040
\122\157\157\164\040\107\063
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\145\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\025\060\023\006\003\125\004\012\023\014\104\151\147\151\103\145
\162\164\040\111\156\143\061\031\060\027\006\003\125\004\013\023
\020\167\167\167\056\144\151\147\151\143\145\162\164\056\143\157
\155\061\044\060\042\006\003\125\004\003\023\033\104\151\147\151
\103\145\162\164\040\101\163\163\165\162\145\144\040\111\104\040
\122\157\157\164\040\107\063
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\020\013\241\132\372\035\337\240\265\111\104\257\315\044\240
\154\354
END
CKA_VALUE MULTILINE_OCTAL
\060\202\002\106\060\202\001\315\240\003\002\001\002\002\020\013
\241\132\372\035\337\240\265\111\104\257\315\044\240\154\354\060
\012\006\010\052\206\110\316\075\004\003\003\060\145\061\013\060
\011\006\003\125\004\006\023\002\125\123\061\025\060\023\006\003
\125\004\012\023\014\104\151\147\151\103\145\162\164\040\111\156
\143\061\031\060\027\006\003\125\004\013\023\020\167\167\167\056
\144\151\147\151\143\145\162\164\056\143\157\155\061\044\060\042
\006\003\125\004\003\023\033\104\151\147\151\103\145\162\164\040
\101\163\163\165\162\145\144\040\111\104\040\122\157\157\164\040
\107\063\060\036\027\015\061\063\060\070\060\061\061\062\060\060
\060\060\132\027\015\063\070\060\061\061\065\061\062\060\060\060
\060\132\060\145\061\013\060\011\006\003\125\004\006\023\002\125
\123\061\025\060\023\006\003\125\004\012\023\014\104\151\147\151
\103\145\162\164\040\111\156\143\061\031\060\027\006\003\125\004
\013\023\020\167\167\167\056\144\151\147\151\143\145\162\164\056
\143\157\155\061\044\060\042\006\003\125\004\003\023\033\104\151
\147\151\103\145\162\164\040\101\163\163\165\162\145\144\040\111
\104\040\122\157\157\164\040\107\063\060\166\060\020\006\007\052
\206\110\316\075\002\001\006\005\053\201\004\000\042\003\142\000
\004\031\347\274\254\104\145\355\315\270\077\130\373\215\261\127
\251\104\055\005\025\362\357\013\377\020\164\237\265\142\122\137
\146\176\037\345\334\033\105\171\013\314\306\123\012\235\215\135
\002\331\251\131\336\002\132\366\225\052\016\215\070\112\212\111
\306\274\306\003\070\007\137\125\332\176\011\156\342\177\136\320
\105\040\017\131\166\020\326\240\044\360\055\336\066\362\154\051
\071\243\102\060\100\060\017\006\003\125\035\023\001\001\377\004
\005\060\003\001\001\377\060\016\006\003\125\035\017\001\001\377
\004\004\003\002\001\206\060\035\006\003\125\035\016\004\026\004
\024\313\320\275\251\341\230\005\121\241\115\067\242\203\171\316
```

```
\215\035\052\344\204\060\012\006\010\052\206\110\316\075\004\003
\003\003\147\000\060\144\002\060\045\244\201\105\002\153\022\113
\165\164\117\310\043\343\160\362\165\162\336\174\211\360\317\221
\162\141\236\136\020\222\131\126\271\203\307\020\347\070\351\130
\046\066\175\325\344\064\206\071\002\060\174\066\123\360\060\345
\142\143\072\231\342\266\243\073\233\064\372\036\332\020\222\161
\136\221\023\247\335\244\156\222\314\062\326\365\041\146\307\057
\352\226\143\152\145\105\222\225\001\264
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "DigiCert Assured ID Root G3"

Issuer: CN=DigiCert Assured ID Root G3,OU=www.digicert.com,O=DigiCert Inc,C=US

Serial Number:0b:a1:5a:fa:1d:df:a0:b5:49:44:af:cd:24:a0:6c:ec

Subject: CN=DigiCert Assured ID Root G3,OU=www.digicert.com,O=DigiCert Inc,C=US

Not Valid Before: Thu Aug 01 12:00:00 2013

Not Valid After : Fri

Jan 15 12:00:00 2038

Fingerprint (SHA-256):

7E:37:CB:8B:4C:47:09:0C:AB:36:55:1B:A6:F4:5D:B8:40:68:0F:BA:16:6A:95:2D:B1:00:71:7F:43:05:3F:C2

Fingerprint (SHA1): F5:17:A2:4F:9A:48:C6:C9:F8:A2:00:26:9F:DC:0F:48:2C:AB:30:89

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "DigiCert Assured ID Root G3"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\365\027\242\117\232\110\306\311\370\242\000\046\237\334\017\110
\054\253\060\211
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\174\177\145\061\014\201\337\215\272\076\231\342\134\255\156\373
```

END

CKA_ISSUER MULTILINE_OCTAL

```
\060\145\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\025\060\023\006\003\125\004\012\023\014\104\151\147\151\103\145
\162\164\040\111\156\143\061\031\060\027\006\003\125\004\013\023
\020\167\167\167\056\144\151\147\151\143\145\162\164\056\143\157
\155\061\044\060\042\006\003\125\004\003\023\033\104\151\147\151
\103\145\162\164\040\101\163\163\165\162\145\144\040\111\104\040
\122\157\157\164\040\107\063
```

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

```
\002\020\013\241\132\372\035\337\240\265\111\104\257\315\044\240
```

```

\154\354
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "DigiCert Global Root G2"
#
# Issuer: CN=DigiCert Global Root G2,OU=www.digicert.com,O=DigiCert Inc,C=US
# Serial Number:03:3a:f1:e6:a7:11:a9:a0:bb:28:64:b1:1d:09:fa:e5
# Subject: CN=DigiCert Global Root G2,OU=www.digicert.com,O=DigiCert Inc,C=US
# Not Valid Before: Thu Aug 01 12:00:00 2013
# Not Valid After : Fri Jan 15 12:00:00 2038
# Fingerprint (SHA-256):
CB:3C:CB:B7:60:31:E5:E0:13:8F:8D:D3:9A:23:F9:DE:47:FF:C3:5E:43:C1:14:4C:EA:27:D4:6A:5A:B1:CB:5F
# Fingerprint (SHA1): DF:3C:24:F9:BF:D6:66:76:1B:26:80:73:FE:06:D1:CC:8D:4F:82:A4
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN
CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "DigiCert Global Root G2"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\141\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\025\060\023\006\003\125\004\012\023\014\104\151\147\151\103\145
\162\164\040\111\156\143\061\031\060\027\006\003\125\004\013\023
\020\167\167\167\056\144\151\147\151\143\145\162\164\056\143\157
\155\061\040\060\036\006\003\125\004\003\023\027\104\151\147\151
\103\145\162\164\040\107\154\157\142\141\154\040\122\157\157\164
\040\107\062
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\141\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\025\060\023\006\003\125\004\012\023\014\104\151\147\151\103\145
\162\164\040\111\156\143\061\031\060\027\006\003\125\004\013\023
\020\167\167\167\056\144\151\147\151\143\145\162\164\056\143\157
\155\061\040\060\036\006\003\125\004\003\023\027\104\151\147\151
\103\145\162\164\040\107\154\157\142\141\154\040\122\157\157\164
\040\107\062
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\020\003\072\361\346\247\021\251\240\273\050\144\261\035\011
\372\345

```

END

CKA_VALUE MULTILINE_OCTAL

\060\202\003\216\060\202\002\166\240\003\002\001\002\002\020\003
\072\361\346\247\021\251\240\273\050\144\261\035\011\372\345\060
\015\006\011\052\206\110\206\367\015\001\001\013\005\000\060\141
\061\013\060\011\006\003\125\004\006\023\002\125\123\061\025\060
\023\006\003\125\004\012\023\014\104\151\147\151\103\145\162\164
\040\111\156\143\061\031\060\027\006\003\125\004\013\023\020\167
\167\167\056\144\151\147\151\143\145\162\164\056\143\157\155\061
\040\060\036\006\003\125\004\003\023\027\104\151\147\151\103\145
\162\164\040\107\154\157\142\141\154\040\122\157\157\164\040\107
\062\060\036\027\015\061\063\060\070\060\061\061\062\060\060\060
\060\132\027\015\063\070\060\061\061\065\061\062\060\060\060\060
\132\060\141\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\025\060\023\006\003\125\004\012\023\014\104\151\147\151\103
\145\162\164\040\111\156\143\061\031\060\027\006\003\125\004\013
\023\020\167\167\167\056\144\151\147\151\143\145\162\164\056\143
\157\155\061\040\060\036\006\003\125\004\003\023\027\104\151\147
\151\103\145\162\164\040\107\154\157\142\141\154\040\122\157\157
\164\040\107\062\060\202\001\042\060\015\006\011\052\206\110\206
\367\015\001\001\001\005\000\003\202\001\017\000\060\202\001\012
\002\202\001\001\000\273\067\315\064\334\173\153\311\262\150\220
\255\112\165\377\106\272\041\012\010\215\365\031\124\311\373\210
\333\363\256\362\072\211\221\074\172\346\253\006\032\153\317\254
\055\350\136\011\044\104\272\142\232\176\326\243\250\176\340\124
\165\040\005\254\120\267\234\143\032\154\060\334\332\037\031\261
\327\036\336\375\327\340\313\224\203\067\256\354\037\103\116\335
\173\054\322\275\056\245\057\344\251\270\255\072\324\231\244\266
\045\351\233\153\000\140\222\140\377\117\041\111\030\367\147\220
\253\141\006\234\217\362\272\351\264\351\222\062\153\265\363\127
\350\135\033\315\214\035\253\225\004\225\111\363\065\055\226\343
\111\155\335\167\343\373\111\113\264\254\125\007\251\217\225\263
\264\043\273\114\155\105\360\366\251\262\225\060\264\375\114\125
\214\047\112\127\024\174\202\235\315\163\222\323\026\112\006\014
\214\120\321\217\036\011\276\027\241\346\041\312\375\203\345\020
\274\203\245\012\304\147\050\366\163\024\024\075\106\166\303\207
\024\211\041\064\115\257\017\105\014\246\111\241\272\273\234\305
\261\063\203\051\205\002\003\001\000\001\243\102\060\100\060\017
\006\003\125\035\023\001\001\377\004\005\060\003\001\001\377\060
\016\006\003\125\035\017\001\001\377\004\004\003\002\001\206\060
\035\006\003\125\035\016\004\026\004\024\116\042\124\040\030\225
\346\343\156\346\017\372\372\271\022\355\006\027\217\071\060\015
\006\011\052\206\110\206\367\015\001\001\013\005\000\003\202\001
\001\000\140\147\050\224\157\016\110\143\353\061\335\352\147\030
\325\211\175\074\305\213\112\177\351\276\333\053\027\337\260\137
\163\167\052\062\023\071\201\147\102\204\043\362\105\147\065\354
\210\277\370\217\260\141\014\064\244\256\040\114\204\306\333\370
\065\341\166\331\337\246\102\273\307\104\010\206\177\066\164\044

```
\132\332\154\015\024\131\065\275\362\111\335\266\037\311\263\015
\107\052\075\231\057\273\134\273\265\324\040\341\231\137\123\106
\025\333\150\233\360\363\060\325\076\061\342\215\204\236\343\212
\332\332\226\076\065\023\245\137\360\371\160\120\160\107\101\021
\127\031\116\300\217\256\006\304\225\023\027\057\033\045\237\165
\362\261\216\231\241\157\023\261\101\161\376\210\052\310\117\020
\040\125\327\363\024\105\345\340\104\364\352\207\225\062\223\016
\376\123\106\372\054\235\377\213\042\271\113\331\011\105\244\336
\244\270\232\130\335\033\175\122\237\216\131\103\210\201\244\236
\046\325\157\255\335\015\306\067\175\355\003\222\033\345\167\137
\166\356\074\215\304\135\126\133\242\331\146\156\263\065\067\345
\062\266
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRUST_AFTER

CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

Trust for "DigiCert Global Root G2"

Issuer: CN=DigiCert Global Root G2,OU=www.digicert.com,O=DigiCert Inc,C=US

Serial Number:03:3a:f1:e6:a7:11:a9:a0:bb:28:64:b1:1d:09:fa:e5

Subject: CN=DigiCert Global Root G2,OU=www.digicert.com,O=DigiCert Inc,C=US

Not Valid Before: Thu Aug 01 12:00:00 2013

Not Valid After : Fri Jan 15 12:00:00 2038

Fingerprint (SHA-256):

CB:3C:CB:B7:60:31:E5:E0:13:8F:8D:D3:9A:23:F9:DE:47:FF:C3:5E:43:C1:14:4C:EA:27:D4:6A:5A:B1:CB:5F

Fingerprint (SHA1): DF:3C:24:F9:BF:D6:66:76:1B:26:80:73:FE:06:D1:CC:8D:4F:82:A4

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "DigiCert Global Root G2"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\337\074\044\371\277\326\146\166\033\046\200\163\376\006\321\314
\215\117\202\244
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\344\246\212\310\124\254\122\102\106\012\375\162\110\033\052\104
END
```

CKA_ISSUER

MULTILINE_OCTAL

```
\060\141\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\025\060\023\006\003\125\004\012\023\014\104\151\147\151\103\145
\162\164\040\111\156\143\061\031\060\027\006\003\125\004\013\023
\020\167\167\167\056\144\151\147\151\143\145\162\164\056\143\157
\155\061\040\060\036\006\003\125\004\003\023\027\104\151\147\151
\103\145\162\164\040\107\154\157\142\141\154\040\122\157\157\164
```

```

\040\107\062
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\003\072\361\346\247\021\251\240\273\050\144\261\035\011
\372\345
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "DigiCert Global Root G3"
#
# Issuer: CN=DigiCert Global Root G3,OU=www.digicert.com,O=DigiCert Inc,C=US
# Serial Number:05:55:56:bc:f2:5e:a4:35:35:c3:a4:0f:d5:ab:45:72
# Subject: CN=DigiCert Global
Root G3,OU=www.digicert.com,O=DigiCert Inc,C=US
# Not Valid Before: Thu Aug 01 12:00:00 2013
# Not Valid After : Fri Jan 15 12:00:00 2038
# Fingerprint (SHA-256):
31:AD:66:48:F8:10:41:38:C7:38:F3:9E:A4:32:01:33:39:3E:3A:18:CC:02:29:6E:F9:7C:2A:C9:EF:67:31:D0
# Fingerprint (SHA1): 7E:04:DE:89:6A:3E:66:6D:00:E6:87:D3:3F:FA:D9:3B:E8:3D:34:9E
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "DigiCert Global Root G3"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\141\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\025\060\023\006\003\125\004\012\023\014\104\151\147\151\103\145
\162\164\040\111\156\143\061\031\060\027\006\003\125\004\013\023
\020\167\167\167\056\144\151\147\151\143\145\162\164\056\143\157
\155\061\040\060\036\006\003\125\004\003\023\027\104\151\147\151
\103\145\162\164\040\107\154\157\142\141\154\040\122\157\157\164
\040\107\063
END
CKA_ID
UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\141\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\025\060\023\006\003\125\004\012\023\014\104\151\147\151\103\145
\162\164\040\111\156\143\061\031\060\027\006\003\125\004\013\023
\020\167\167\167\056\144\151\147\151\143\145\162\164\056\143\157
\155\061\040\060\036\006\003\125\004\003\023\027\104\151\147\151
\103\145\162\164\040\107\154\157\142\141\154\040\122\157\157\164
\040\107\063

```

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\002\020\005\125\126\274\362\136\244\065\065\303\244\017\325\253
\105\162

END

CKA_VALUE MULTILINE_OCTAL

\060\202\002\077\060\202\001\305\240\003\002\001\002\002\020\005
\125\126\274\362\136\244\065\065\303\244\017\325\253\105\162\060
\012\006\010\052\206\110\316\075\004\003\003\060\141\061\013\060
\011\006\003\125\004\006\023\002\125\123\061\025\060\023\006\003
\125\004\012\023\014\104\151\147\151\103\145\162\164\040\111\156
\143\061\031\060\027\006\003\125\004\013\023\020\167\167\167\056
\144\151\147\151\143\145\162\164\056\143\157\155\061\040\060\036
\006\003\125\004\003\023\027\104\151\147\151\103\145\162\164\040
\107\154\157\142\141\154\040\122\157\157\164\040\107\063\060\036
\027\015\061\063\060\070\060\061\061\062\060\060\060\060\132\027
\015\063\070\060\061\061\065\061\062\060\060\060\060\132\060\141
\061\013\060\011\006\003\125\004\006\023\002\125\123\061\025\060
\023\006\003\125\004\012\023\014\104\151\147\151\103\145\162\164
\040\111\156\143\061\031\060\027\006\003\125\004\013\023\020\167
\167\167\056\144\151\147\151\143\145\162\164\056\143\157\155\061
\040\060\036\006\003\125\004\003\023\027\104\151\147\151\103\145
\162\164\040\107\154\157\142\141\154\040\122\157\157\164\040\107
\063\060\166\060\020\006\007\052\206\110\316\075\002\001\006\005
\053\201\004\000\042\003\142\000\004\335\247\331\273\212\270\013
\373\013\177\041\322\360\276\276\163\363\063\135\032\274\064\352
\336\306\233\274\320\225\366\360\314\320\013\272\141\133\121\106
\176\236\055\237\356\216\143\014\027\354\007\160\365\317\204\056
\100\203\234\350\077\101\155\073\255\323\244\024\131\066\170\235
\003\103\356\020\023\154\162\336\256\210\247\241\153\265\103\316
\147\334\043\377\003\034\243\342\076\243\102\060\100\060\017\006
\003\125\035\023\001\001\377\004\005\060\003\001\001\377\060\016
\006\003\125\035\017\001\001\377\004\004\003\002\001\206\060\035
\006\003\125\035\016\004\026\004\024\263\333\110\244\371\241\305
\330\256\066\101\314\021\143\151\142\051\274\113\306\060\012\006
\010\052\206\110\316\075\004\003\003\003\150\000\060\145\002\061
\000\255\274\362\154\077\022\112\321\055\071\303\012\011\227\163
\364\210\066\214\210\047\273\346\210\215\120\205\247\143\371\236
\062\336\146\223\017\361\314\261\011\217\335\154\253\372\153\177
\240\002\060\071\146\133\302\144\215\270\236\120\334\250\325\111
\242\355\307\334\321\111\177\027\001\270\310\206\217\116\214\210
\053\250\232\251\212\305\321\000\275\370\124\342\232\345\133\174
\263\047\027

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER

```

CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for "DigiCert Global Root G3"
# Issuer: CN=DigiCert Global Root G3,OU=www.digicert.com,O=DigiCert Inc,C=US
# Serial Number:05:55:56:bc:f2:5e:a4:35:35:c3:a4:0f:d5:ab:45:72
# Subject: CN=DigiCert Global Root G3,OU=www.digicert.com,O=DigiCert Inc,C=US
# Not Valid Before: Thu Aug 01 12:00:00 2013
# Not Valid After : Fri Jan 15 12:00:00 2038
# Fingerprint (SHA-256):
31:AD:66:48:F8:10:41:38:C7:38:F3:9E:A4:32:01:33:39:3E:3A:18:CC:02:29:6E:F9:7C:2A:C9:EF:67:31:D0
# Fingerprint (SHA1): 7E:04:DE:89:6A:3E:66:6D:00:E6:87:D3:3F:FA:D9:3B:E8:3D:34:9E
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "DigiCert Global Root G3"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\176\004\336\211\152\076\146\155\000\346\207\323\077\372\331\073
\350\075\064\236
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\365\135\244\120\245\373\050\176\036\017\015\314\226\127\126\312
END
CKA_ISSUER
MULTILINE_OCTAL
\060\141\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\025\060\023\006\003\125\004\012\023\014\104\151\147\151\103\145
\162\164\040\111\156\143\061\031\060\027\006\003\125\004\013\023
\020\167\167\167\056\144\151\147\151\143\145\162\164\056\143\157
\155\061\040\060\036\006\003\125\004\003\023\027\104\151\147\151
\103\145\162\164\040\107\154\157\142\141\154\040\122\157\157\164
\040\107\063
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\005\125\126\274\362\136\244\065\065\303\244\017\325\253
\105\162
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "DigiCert Trusted Root G4"
#
# Issuer: CN=DigiCert Trusted Root G4,OU=www.digicert.com,O=DigiCert Inc,C=US
# Serial Number:05:9b:1b:57:9e:8e:21:32:e2:39:07:bd:a7:77:75:5c

```



```
# Subject: CN=DigiCert
Trusted Root G4,OU=www.digicert.com,O=DigiCert Inc,C=US
# Not Valid Before: Thu Aug 01 12:00:00 2013
# Not Valid After : Fri Jan 15 12:00:00 2038
# Fingerprint (SHA-256):
55:2F:7B:DC:F1:A7:AF:9E:6C:E6:72:01:7F:4F:12:AB:F7:72:40:C7:8E:76:1A:C2:03:D1:D9:D2:0A:C8:99:88
# Fingerprint (SHA1): DD:FB:16:CD:49:31:C9:73:A2:03:7D:3F:C8:3A:4D:7D:77:5D:05:E4
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "DigiCert Trusted Root G4"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\142\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\025\060\023\006\003\125\004\012\023\014\104\151\147\151\103\145
\162\164\040\111\156\143\061\031\060\027\006\003\125\004\013\023
\020\167\167\167\056\144\151\147\151\143\145\162\164\056\143\157
\155\061\041\060\037\006\003\125\004\003\023\030\104\151\147\151
\103\145\162\164\040\124\162\165\163\164\145\144\040\122\157\157
\164\040\107\064
END
CKA_ID
UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\142\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\025\060\023\006\003\125\004\012\023\014\104\151\147\151\103\145
\162\164\040\111\156\143\061\031\060\027\006\003\125\004\013\023
\020\167\167\167\056\144\151\147\151\143\145\162\164\056\143\157
\155\061\041\060\037\006\003\125\004\003\023\030\104\151\147\151
\103\145\162\164\040\124\162\165\163\164\145\144\040\122\157\157
\164\040\107\064
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\005\233\033\127\236\216\041\062\342\071\007\275\247\167
\165\134
END
CKA_VALUE MULTILINE_OCTAL
\060\202\005\220\060\202\003\170\240\003\002\001\002\002\020\005
\233\033\127\236\216\041\062\342\071\007\275\247\167\165\134\060
\015\006\011\052\206\110\206\367\015\001\001\014\005\000\060\142
\061\013\060\011\006\003\125\004\006\023\002\125\123\061\025\060
\023\006\003\125\004\012\023\014\104\151\147\151\103\145\162\164
\040\111\156\143\061\031\060\027\006\003\125\004\013\023\020\167
\167\167\056\144\151\147\151\143\145\162\164\056\143\157\155\061
\041\060\037\006\003\125\004\003\023\030\104\151\147\151\103\145
\162\164\040\124\162\165\163\164\145\144\040\122\157\157\164\040
\107\064\060\036\027\015\061\063\060\070\060\061\061\062\060\060
```

\060\060\132\027\015\063\070\060\061\061\065\061\062\060\060\060
\060\132\060\142\061\013\060\011\006\003\125\004\006\023\002\125
\123\061\025\060\023\006\003\125\004\012\023\014\104\151\147\151
\103\145\162\164\040\111\156\143\061\031\060\027\006\003\125\004
\013\023\020\167\167\167\056\144\151\147\151\143\145\162\164\056
\143\157\155\061\041\060\037\006\003\125\004\003\023\030\104\151
\147\151\103\145\162\164\040\124\162\165\163\164\145\144\040\122
\157\157\164\040\107\064\060\202\002\042\060\015\006\011\052\206
\110\206\367\015\001\001\001\005\000\003\202\002\017\000\060\202
\002\012\002\202\002\001\000\277\346\220\163\150\336\273\344\135
\112\074\060\042\060\151\063\354\302\247\045\056\311\041\075\362
\212\330\131\302\341\051\247\075\130\253\166\232\315\256\173\033
\204\015\304\060\037\363\033\244\070\026\353\126\306\227\155\035
\253\262\171\362\312\021\322\344\137\326\005\074\122\017\122\037
\306\236\025\245\176\276\237\251\127\026\131\125\162\257\150\223
\160\302\262\272\165\231\152\163\062\224\321\020\104\020\056\337
\202\363\007\204\346\164\073\155\161\342\055\014\033\356\040\325
\311\040\035\143\051\055\316\354\136\116\310\223\370\041\141\233
\064\353\005\306\136\354\133\032\274\353\311\317\315\254\064\100
\137\261\172\146\356\167\310\110\250\146\127\127\237\124\130\216
\014\053\267\117\247\060\331\126\356\312\173\135\343\255\311\117
\136\345\065\347\061\313\332\223\136\334\216\217\200\332\266\221
\230\100\220\171\303\170\307\266\261\304\265\152\030\070\003\020
\215\330\324\067\244\056\005\175\210\365\202\076\020\221\160\253
\125\202\101\062\327\333\004\163\052\156\221\001\174\041\114\324
\274\256\033\003\165\135\170\146\331\072\061\104\232\063\100\277
\010\327\132\111\244\302\346\251\240\147\335\244\047\274\241\117
\071\265\021\130\027\367\044\134\106\217\144\367\301\151\210\166
\230\166\075\131\135\102\166\207\211\227\151\172\110\360\340\242
\022\033\146\232\164\312\336\113\036\347\016\143\256\346\324\357
\222\222\072\236\075\334\000\344\105\045\211\266\232\104\031\053
\176\300\224\264\322\141\155\353\063\331\305\337\113\004\000\314
\175\034\225\303\217\367\041\262\262\021\267\273\177\362\325\214
\160\054\101\140\252\261\143\030\104\225\032\166\142\176\366\200
\260\373\350\144\246\063\321\211\007\341\275\267\346\103\244\030
\270\246\167\001\341\017\224\014\041\035\262\124\051\045\211\154
\345\016\122\121\107\164\276\046\254\266\101\165\336\172\254\137
\215\077\311\274\323\101\021\022\133\345\020\120\353\061\305\312
\162\026\042\011\337\174\114\165\077\143\354\041\137\304\040\121
\153\157\261\253\206\213\117\302\326\105\137\235\040\374\241\036
\305\300\217\242\261\176\012\046\231\365\344\151\057\230\035\055
\365\331\251\262\035\345\033\002\003\001\000\001\243\102\060\100
\060\017\006\003\125\035\023\001\001\377\004\005\060\003\001\001
\377\060\016\006\003\125\035\017\001\001\377\004\004\003\002\001
\206\060\035\006\003\125\035\016\004\026\004\024\354\327\343\202
\322\161\135\144\114\337\056\147\077\347\272\230\256\034\017\117
\060\015\006\011\052\206\110\206\367\015\001\001\014\005\000\003
\202\002\001\000\273\141\331\175\251\154\276\027\304\221\033\303

\241\242\000\215\343\144\150\017\126\317\167\256\160\371\375\232
\112\231\271\311\170\134\014\014\137\344\346\024\051\126\013\066
\111\135\104\143\340\255\234\226\030\146\033\043\015\075\171\351
\155\153\326\124\370\322\074\301\103\100\256\035\120\365\122\374
\220\073\273\230\231\151\153\307\301\247\250\150\244\047\334\235
\371\047\256\060\205\271\366\147\115\072\076\217\131\071\042\123
\104\353\310\135\003\312\355\120\172\175\142\041\012\200\310\163
\146\321\240\005\140\137\350\245\264\247\257\250\367\155\065\234
\174\132\212\326\242\070\231\363\170\213\364\115\322\040\013\336
\004\356\214\233\107\201\162\015\300\024\062\357\060\131\056\256
\340\161\362\126\344\152\227\157\222\120\155\226\215\150\172\232
\262\066\024\172\006\362\044\271\011\021\120\327\010\261\270\211
\172\204\043\141\102\051\345\243\315\242\040\101\327\321\234\144
\331\352\046\241\213\024\327\114\031\262\120\101\161\075\077\115
\160\043\206\014\112\334\201\322\314\062\224\204\015\010\011\227
\034\117\300\356\153\040\164\060\322\340\071\064\020\205\041\025
\001\010\350\125\062\336\161\111\331\050\027\120\115\346\276\115
\321\165\254\320\312\373\101\270\103\245\252\323\303\005\104\117
\054\066\233\342\372\342\105\270\043\123\154\006\157\147\125\177
\106\265\114\077\156\050\132\171\046\322\244\250\142\227\322\036
\342\355\112\213\274\033\375\107\112\015\337\147\146\176\262\133
\101\320\073\344\364\073\364\004\143\351\357\302\124\000\121\240
\212\052\311\316\170\314\325\352\207\004\030\263\316\257\111\210
\257\363\222\231\266\263\346\141\017\322\205\000\347\120\032\344
\033\225\235\031\241\271\234\261\233\261\000\036\357\320\017\117
\102\154\311\012\274\356\103\372\072\161\245\310\115\046\245\065
\375\211\135\274\205\142\035\062\322\240\053\124\355\232\127\301
\333\372\020\317\031\267\213\112\033\217\001\266\047\225\123\350
\266\211\155\133\274\150\324\043\350\213\121\242\126\371\360\246
\200\240\326\036\263\274\017\017\123\165\051\252\352\023\167\344
\336\214\201\041\255\007\020\107\021\255\207\075\007\321\165\274
\317\363\146\176

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "DigiCert Trusted Root G4"

Issuer: CN=DigiCert Trusted Root G4,OU=www.digicert.com,O=DigiCert Inc,C=US

Serial Number:05:9b:1b:57:9e:8e:21:32:e2:39:07:bd:a7:77:75:5c

Subject: CN=DigiCert Trusted Root G4,OU=www.digicert.com,O=DigiCert Inc,C=US

Not Valid Before: Thu Aug 01 12:00:00 2013

Not Valid After : Fri Jan 15 12:00:00 2038

Fingerprint (SHA-256):

55:2F:7B:DC:F1:A7:AF:9E:6C:E6:72:01:7F:4F:12:AB:F7:72:40:C7:8E:76:1A:C2:03:D1:D9:D2:0A:C8:99:88

#

```

Fingerprint (SHA1): DD:FB:16:CD:49:31:C9:73:A2:03:7D:3F:C8:3A:4D:7D:77:5D:05:E4
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "DigiCert Trusted Root G4"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\335\373\026\315\111\061\311\163\242\003\175\077\310\072\115\175
\167\135\005\344
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\170\362\374\252\140\037\057\264\353\311\067\272\123\056\165\111
END
CKA_ISSUER MULTILINE_OCTAL
\060\142\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\025\060\023\006\003\125\004\012\023\014\104\151\147\151\103\145
\162\164\040\111\156\143\061\031\060\027\006\003\125\004\013\023
\020\167\167\167\056\144\151\147\151\143\145\162\164\056\143\157
\155\061\041\060\037\006\003\125\004\003\023\030\104\151\147\151
\103\145\162\164\040\124\162\165\163\164\145\144\040\122\157\157
\164\040\107\064
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\005\233\033\127\236\216\041\062\342\071\007\275\247\167
\165\134
END
CKA_TRUST_SERVER_AUTH
CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "COMODO RSA Certification Authority"
#
# Issuer: CN=COMODO RSA Certification Authority,O=COMODO CA Limited,L=Salford,ST=Greater
Manchester,C=GB
# Serial Number:4c:aa:f9:ca:db:63:6f:e0:1f:f7:4e:d8:5b:03:86:9d
# Subject: CN=COMODO RSA Certification Authority,O=COMODO CA Limited,L=Salford,ST=Greater
Manchester,C=GB
# Not Valid Before: Tue Jan 19 00:00:00 2010
# Not Valid After : Mon Jan 18 23:59:59 2038
# Fingerprint (SHA-256):
52:F0:E1:C4:E5:8E:C6:29:29:1B:60:31:7F:07:46:71:B8:5D:7E:A8:0D:5B:07:27:34:63:53:4B:32:B4:02:34
# Fingerprint (SHA1): AF:E5:D2:44:A8:D1:19:42:30:FF:47:9F:E2:F8:97:BB:CD:7A:8C:B4
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE

```

```
CKA_MODIFIABLE
CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "COMODO RSA Certification Authority"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE_CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\205\061\013\060\011\006\003\125\004\006\023\002\107\102
\061\033\060\031\006\003\125\004\010\023\022\107\162\145\141\164
\145\162\040\115\141\156\143\150\145\163\164\145\162\061\020\060
\016\006\003\125\004\007\023\007\123\141\154\146\157\162\144\061
\032\060\030\006\003\125\004\012\023\021\103\117\115\117\104\117
\040\103\101\040\114\151\155\151\164\145\144\061\053\060\051\006
\003\125\004\003\023\042\103\117\115\117\104\117\040\122\123\101
\040\103\145\162\164\151\146\151\143\141\164\151\157\156\040\101
\165\164\150\157\162\151\164\171
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\201\205\061\013\060\011\006\003\125\004\006\023\002\107\102
\061\033\060\031\006\003\125\004\010\023\022\107\162\145\141\164
\145\162\040\115\141\156\143\150\145\163\164\145\162\061\020\060
\016\006\003\125\004\007\023\007\123\141\154\146\157\162\144\061
\032\060\030\006\003\125\004\012\023\021\103\117\115\117\104\117
\040\103\101\040\114\151\155\151\164\145\144\061\053\060\051\006
\003\125\004\003\023\042\103\117\115\117\104\117\040\122\123\101
\040\103\145\162\164\151\146\151\143\141\164\151\157\156\040\101
\165\164\150\157\162\151\164\171
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\020\114\252\371\312\333\143\157\340\037\367\116\330\133\003
\206\235
END
CKA_VALUE MULTILINE_OCTAL
\060\202\005\330\060\202\003\300\240\003\002\001\002\002\020\114
\252\371\312\333\143\157\340\037\367\116\330\133\003\206\235\060
\015\006\011\052\206\110\206\367\015\001\001\014\005\000\060\201
\205\061\013\060\011\006\003\125\004\006\023\002\107\102\061\033
\060\031\006\003\125\004\010\023\022\107\162\145\141\164\145\162
\040\115\141\156\143\150\145\163\164\145\162\061\020\060\016\006
\003\125\004\007\023\007\123\141\154\146\157\162\144\061\032\060
\030\006\003\125\004\012\023\021\103\117\115\117\104\117\040\103
\101\040\114\151\155\151\164\145\144\061\053\060\051\006\003\125
\004\003\023\042\103\117\115\117\104\117\040\122\123\101\040\103
\145\162\164\151\146\151\143\141\164\151\157\156\040\101\165\164
\150\157\162\151\164\171\060\036\027\015\061\060\060\061\061\071
\060\060\060\060\060\060\132\027\015\063\070\060\061\061\070\062
\063\065\071\065\071\132\060\201\205\061\013\060\011\006\003\125
\004\006\023\002\107\102\061\033\060\031\006\003\125\004\010\023
```

\022\107\162\145\141\164\145\162\040\115\141\156\143\150\145\163
\164\145\162\061\020\060\016\006\003\125\004\007\023\007\123\141
\154\146\157\162\144\061\032\060\030\006\003\125\004\012\023\021
\103\117\115\117\104\117\040\103\101\040\114\151\155\151\164\145
\144\061\053\060\051\006\003\125\004\003\023\042\103\117\115\117
\104\117\040\122\123\101\040\103\145\162\164\151\146\151\143\141
\164\151\157\156\040\101\165\164\150\157\162\151\164\171\060\202
\002\042\060\015\006\011\052\206\110\206\367\015\001\001\001\005
\000\003\202\002\017\000\060\202\002\012\002\202\002\001\000\221
\350\124\222\322\012\126\261\254\015\044\335\305\317\104\147\164
\231\053\067\243\175\043\160\000\161\274\123\337\304\372\052\022
\217\113\177\020\126\275\237\160\162\267\141\177\311\113\017\027
\247\075\343\260\004\141\356\377\021\227\307\364\206\076\012\372
\076\134\371\223\346\064\172\331\024\153\347\234\263\205\240\202
\172\166\257\161\220\327\354\375\015\372\234\154\372\337\260\202
\364\024\176\371\276\304\246\057\117\177\231\177\265\374\147\103
\162\275\014\000\326\211\353\153\054\323\355\217\230\034\024\253
\176\345\343\156\374\330\250\344\222\044\332\103\153\142\270\125
\375\352\301\274\154\266\213\363\016\215\232\344\233\154\151\231
\370\170\110\060\105\325\255\341\015\074\105\140\374\062\226\121
\047\274\147\303\312\056\266\153\352\106\307\307\040\240\261\037
\145\336\110\010\272\244\116\251\362\203\106\067\204\353\350\314
\201\110\103\147\116\162\052\233\134\275\114\033\050\212\134\042
\173\264\253\230\331\356\340\121\203\303\011\106\116\155\076\231
\372\225\027\332\174\063\127\101\074\215\121\355\013\266\134\257
\054\143\032\337\127\310\077\274\351\135\304\233\257\105\231\342
\243\132\044\264\272\251\126\075\317\157\252\377\111\130\276\360
\250\377\364\270\255\351\067\373\272\270\364\013\072\371\350\103
\102\036\211\330\204\313\023\361\331\273\341\211\140\270\214\050
\126\254\024\035\234\012\347\161\353\317\016\335\075\251\226\241
\110\275\074\367\257\265\015\042\114\300\021\201\354\126\073\366
\323\242\342\133\267\262\004\042\122\225\200\223\151\350\216\114
\145\361\221\003\055\160\164\002\352\213\147\025\051\151\122\002
\273\327\337\120\152\125\106\277\240\243\050\141\177\160\320\303
\242\252\054\041\252\107\316\050\234\006\105\166\277\202\030\047
\264\325\256\264\313\120\346\153\364\114\206\161\060\351\246\337
\026\206\340\330\377\100\335\373\320\102\210\177\243\063\072\056
\134\036\101\021\201\143\316\030\161\153\053\354\246\212\267\061
\134\072\152\107\340\303\171\131\326\040\032\257\362\152\230\252
\162\274\127\112\322\113\235\273\020\374\260\114\101\345\355\035
\075\136\050\235\234\314\277\263\121\332\247\107\345\204\123\002
\003\001\000\001\243\102\060\100\060\035\006\003\125\035\016\004
\026\004\024\273\257\176\002\075\372\246\361\074\204\216\255\356
\070\230\354\331\062\062\324\060\016\006\003\125\035\017\001\001
\377\004\004\003\002\001\006\060\017\006\003\125\035\023\001\001
\377\004\005\060\003\001\001\377\060\015\006\011\052\206\110\206
\367\015\001\001\014\005\000\003\202\002\001\000\012\361\325\106
\204\267\256\121\273\154\262\115\101\024\000\223\114\234\313\345

\300\124\317\240\045\216\002\371\375\260\242\015\365\040\230\074
\023\055\254\126\242\260\326\176\021\222\351\056\272\236\056\232
\162\261\275\031\104\154\141\065\242\232\264\026\022\151\132\214
\341\327\076\244\032\350\057\003\364\256\141\035\020\033\052\244
\213\172\305\376\005\246\341\300\326\310\376\236\256\217\053\272
\075\231\370\330\163\011\130\106\156\246\234\364\327\047\323\225
\332\067\203\162\034\323\163\340\242\107\231\003\070\135\325\111
\171\000\051\034\307\354\233\040\034\007\044\151\127\170\262\071
\374\072\204\240\265\234\174\215\277\056\223\142\047\267\071\332
\027\030\256\275\074\011\150\377\204\233\074\325\326\013\003\343
\127\236\024\367\321\353\117\310\275\207\043\267\266\111\103\171
\205\134\272\353\222\013\241\306\350\150\250\114\026\261\032\231
\012\350\123\054\222\273\241\011\030\165\014\145\250\173\313\043
\267\032\302\050\205\303\033\377\320\053\142\357\244\173\011\221
\230\147\214\024\001\315\150\006\152\143\041\165\003\200\210\212
\156\201\306\205\362\251\244\055\347\364\245\044\020\107\203\312
\315\364\215\171\130\261\006\233\347\032\052\331\235\001\327\224
\175\355\003\112\312\360\333\350\251\001\076\365\126\231\311\036
\216\111\075\273\345\011\271\340\117\111\222\075\026\202\100\314
\314\131\306\346\072\355\022\056\151\074\154\225\261\375\252\035
\173\177\206\276\036\016\062\106\373\373\023\217\165\177\114\213
\113\106\143\376\000\064\100\160\301\303\271\241\335\246\160\342
\004\263\101\274\351\200\221\352\144\234\172\341\042\003\251\234
\156\157\016\145\117\154\207\207\136\363\156\240\371\165\245\233
\100\350\123\262\047\235\112\271\300\167\041\215\377\207\362\336
\274\214\357\027\337\267\111\013\321\362\156\060\013\032\016\116
\166\355\021\374\365\351\126\262\175\277\307\155\012\223\214\245
\320\300\266\035\276\072\116\224\242\327\156\154\013\302\212\174
\372\040\363\304\344\345\315\015\250\313\221\222\261\174\205\354
\265\024\151\146\016\202\347\315\316\310\055\246\121\177\041\301
\065\123\205\006\112\135\237\255\273\033\137\164

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "COMODO RSA Certification Authority"

Issuer: CN=COMODO RSA Certification Authority,O=COMODO CA Limited,L=Salford,ST=Greater Manchester,C=GB

Serial Number:4c:aa:f9:ca:db:63:6f:e0:1f:f7:4e:d8:5b:03:86:9d

Subject: CN=COMODO RSA Certification Authority,O=COMODO CA Limited,L=Salford,ST=Greater Manchester,C=GB

Not Valid Before: Tue Jan 19 00:00:00 2010

Not Valid After : Mon Jan 18 23:59:59 2038

Fingerprint (SHA-256):

52:F0:E1:C4:E5:8E:C6:29:29:1B:60:31:7F:07:46:71:B8:5D:7E:A8:0D:5B:07:27:34:63:53:4B:32:B4:02:34

Fingerprint (SHA1): AF:E5:D2:44:A8:D1:19:42:30:FF:47:9F:E2:F8:97:BB:CD:7A:8C:B4

```

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "COMODO RSA Certification Authority"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\257\345\322\104\250\321\031\102\060\377\107\237\342\370\227\273
\315\172\214\264
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\033\061\260\161\100\066\314\024\066\221\255\304\076\375\354\030
END
CKA_ISSUER MULTILINE_OCTAL
\060\201\205\061\013\060\011\006\003\125\004\006\023\002\107\102
\061\033\060\031\006\003\125\004\010\023\022\107\162\145\141\164
\145\162\040\115\141\156\143\150\145\163\164\145\162\061\020\060
\016\006\003\125\004\007\023\007\123\141\154\146\157\162\144\061
\032\060\030\006\003\125\004\012\023\021\103\117\115\117\104\117
\040\103\101\040\114\151\155\151\164\145\144\061\053\060\051\006
\003\125\004\003\023\042\103\117\115\117\104\117\040\122\123\101
\040\103\145\162\164\151\146\151\143\141\164\151\157\156\040\101
\165\164\150\157\162\151\164\171
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\020\114\252\371\312\333\143\157\340\037\367\116\330\133\003
\206\235
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "USERTrust RSA Certification Authority"
#
# Issuer: CN=USERTrust RSA Certification Authority,O=The USERTRUST Network,L=Jersey City,ST=New
Jersey,C=US
# Serial Number:01:fd:6d:30:fc:a3:ca:51:a8:1b:bc:64:0e:35:03:2d
# Subject: CN=USERTrust RSA Certification Authority,O=The USERTRUST Network,L=Jersey City,ST=New
Jersey,C=US
# Not Valid Before: Mon
Feb 01 00:00:00 2010
# Not Valid After : Mon Jan 18 23:59:59 2038
# Fingerprint (SHA-256):
E7:93:C9:B0:2F:D8:AA:13:E2:1C:31:22:8A:CC:B0:81:19:64:3B:74:9C:89:89:64:B1:74:6D:46:C3:D4:CB:D2
# Fingerprint (SHA1): 2B:8F:1B:57:33:0D:BB:A2:D0:7A:6C:51:F7:0E:E9:0D:DA:B9:AD:8E
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE

```



```
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "USERTrust RSA Certification Authority"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\210\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\023\060\021\006\003\125\004\010\023\012\116\145\167\040\112
\145\162\163\145\171\061\024\060\022\006\003\125\004\007\023\013
\112\145\162\163\145\171\040\103\151\164\171\061\036\060\034\006
\003\125\004\012\023\025\124\150\145\040\125\123\105\122\124\122
\125\123\124\040\116\145\164\167\157\162\153\061\056\060\054\006
\003\125\004\003\023\045\125\123\105\122\124\162\165\163\164\040
\122\123\101\040\103\145\162\164\151\146\151\143\141\164\151\157
\156\040\101\165\164\150\157\162\151\164\171
```

END

```
CKA_ID
UTF8 "0"
```

```
CKA_ISSUER MULTILINE_OCTAL
\060\201\210\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\023\060\021\006\003\125\004\010\023\012\116\145\167\040\112
\145\162\163\145\171\061\024\060\022\006\003\125\004\007\023\013
\112\145\162\163\145\171\040\103\151\164\171\061\036\060\034\006
\003\125\004\012\023\025\124\150\145\040\125\123\105\122\124\122
\125\123\124\040\116\145\164\167\157\162\153\061\056\060\054\006
\003\125\004\003\023\045\125\123\105\122\124\162\165\163\164\040
\122\123\101\040\103\145\162\164\151\146\151\143\141\164\151\157
\156\040\101\165\164\150\157\162\151\164\171
```

END

```
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\001\375\155\060\374\243\312\121\250\033\274\144\016\065
\003\055
```

END

```
CKA_VALUE MULTILINE_OCTAL
\060\202\005\336\060\202\003\306\240\003\002\001\002\002\020\001
\375\155\060\374\243\312\121\250\033\274\144\016\065\003\055\060
\015\006\011\052\206\110\206\367\015\001\001\014\005\000\060\201
\210\061\013\060\011\006\003\125\004\006\023\002\125\123\061\023
\060\021\006\003\125\004\010\023\012\116\145\167\040\112\145\162
\163\145\171\061\024\060\022\006\003\125\004\007\023\013\112\145
\162\163\145\171\040\103\151\164\171\061\036\060\034\006\003\125
\004\012\023\025\124\150\145\040\125\123\105\122\124\122\125\123
\124\040\116\145\164\167\157\162\153\061\056\060\054\006\003\125
\004\003\023\045\125\123\105\122\124\162\165\163\164\040\122\123
\101\040\103\145\162\164\151\146\151\143\141\164\151\157\156\040
\101\165\164\150\157\162\151\164\171\060\036\027\015\061\060\060
\062\060\061\060\060\060\060\060\132\027\015\063\070\060\061
\061\070\062\063\065\071\065\071\132\060\201\210\061\013\060\011
```

\006\003\125\004\006\023\002\125\123\061\023\060\021\006\003\125
\004\010\023\012\116\145\167\040\112\145\162\163\145\171\061\024
\060\022\006\003\125\004\007\023\013\112\145\162\163\145\171\040
\103\151\164\171\061\036\060\034\006\003\125\004\012\023\025\124
\150\145\040\125\123\105\122\124\122\125\123\124\040\116\145\164
\167\157\162\153\061\056\060\054\006\003\125\004\003\023\045\125
\123\105\122\124\162\165\163\164\040\122\123\101\040\103\145\162
\164\151\146\151\143\141\164\151\157\156\040\101\165\164\150\157
\162\151\164\171\060\202\002\042\060\015\006\011\052\206\110\206
\367\015\001\001\001\005\000\003\202\002\017\000\060\202\002\012
\002\202\002\001\000\200\022\145\027\066\016\303\333\010\263\320
\254\127\015\166\355\315\047\323\114\255\120\203\141\342\252\040
\115\011\055\144\011\334\316\211\237\314\075\251\354\366\317\301
\334\361\323\261\326\173\067\050\021\053\107\332\071\306\274\072
\031\264\137\246\275\175\235\243\143\102\266\166\362\251\073\053
\221\370\342\157\320\354\026\040\220\011\076\342\350\164\311\030
\264\221\324\142\144\333\177\243\006\361\210\030\152\220\042\074
\274\376\023\360\207\024\173\366\344\037\216\324\344\121\306\021
\147\106\010\121\313\206\024\124\077\274\063\376\176\154\234\377
\026\235\030\275\121\216\065\246\247\146\310\162\147\333\041\146
\261\324\233\170\003\300\120\072\350\314\360\334\274\236\114\376
\257\005\226\065\037\127\132\267\377\316\371\075\267\054\266\366
\124\335\310\347\022\072\115\256\114\212\267\134\232\264\267\040
\075\312\177\042\064\256\176\073\150\146\001\104\347\001\116\106
\123\233\063\140\367\224\276\123\067\220\163\103\363\062\303\123
\357\333\252\376\164\116\151\307\153\214\140\223\336\304\307\014
\337\341\062\256\314\223\073\121\170\225\147\213\356\075\126\376
\014\320\151\017\033\017\363\045\046\153\063\155\367\156\107\372
\163\103\345\176\016\245\146\261\051\174\062\204\143\125\211\304
\015\301\223\124\060\031\023\254\323\175\067\247\353\135\072\154
\065\134\333\101\327\022\332\251\111\013\337\330\200\212\011\223
\142\216\265\146\317\045\210\315\204\270\261\077\244\071\017\331
\002\236\353\022\114\225\174\363\153\005\251\136\026\203\314\270
\147\342\350\023\235\314\133\202\323\114\263\355\133\377\336\345
\163\254\043\073\055\000\277\065\125\164\011\111\330\111\130\032
\177\222\066\346\121\222\016\363\046\175\034\115\027\274\311\354
\103\046\320\277\101\137\100\251\104\104\364\231\347\127\207\236
\120\037\127\124\250\076\375\164\143\057\261\120\145\011\346\130
\102\056\103\032\114\264\360\045\107\131\372\004\036\223\324\046
\106\112\120\201\262\336\276\170\267\374\147\025\341\311\127\204
\036\017\143\326\351\142\272\326\137\125\056\352\134\306\050\010
\004\045\071\270\016\053\251\362\114\227\034\007\077\015\122\365
\355\357\057\202\017\002\003\001\000\001\243\102\060\100\060\035
\006\003\125\035\016\004\026\004\024\123\171\277\132\252\053\112
\317\124\200\341\330\233\300\235\362\262\003\146\313\060\016\006
\003\125\035\017\001\001\377\004\004\003\002\001\006\060\017\006
\003\125\035\023\001\001\377\004\005\060\003\001\001\377\060\015
\006\011\052\206\110\206\367\015\001\001\014\005\000\003\202\002

\001\000\134\324\174\015\317\367\001\175\101\231\145\014\163\305
\122\237\313\370\317\231\006\177\033\332\103\025\237\236\002\125
\127\226\024\361\122\074\047\207\224\050\355\037\072\001\067\242
\166\374\123\120\300\204\233\306\153\116\272\214\041\117\242\216
\125\142\221\363\151\025\330\274\210\343\304\252\013\375\357\250
\351\113\125\052\006\040\155\125\170\051\031\356\137\060\134\113
\044\021\125\377\044\232\156\136\052\053\356\013\115\237\177\367
\001\070\224\024\225\103\007\011\373\140\251\356\034\253\022\214
\240\232\136\247\230\152\131\155\213\077\010\373\310\321\105\257
\030\025\144\220\022\017\163\050\056\305\342\044\116\374\130\354
\360\364\105\376\042\263\353\057\216\322\331\105\141\005\301\227
\157\250\166\162\217\213\214\066\257\277\015\005\316\161\215\346
\246\157\037\154\246\161\142\305\330\320\203\162\014\361\147\021
\211\014\234\023\114\162\064\337\274\325\161\337\252\161\335\341
\271\154\214\074\022\135\145\332\275\127\022\266\103\153\377\345
\336\115\146\021\121\317\231\256\354\027\266\350\161\221\214\336
\111\376\335\065\161\242\025\047\224\034\317\141\343\046\273\157
\243\147\045\041\135\346\335\035\013\056\150\033\073\202\257\354
\203\147\205\324\230\121\164\261\271\231\200\211\377\177\170\031
\134\171\112\140\056\222\100\256\114\067\052\054\311\307\142\310
\016\135\367\066\133\312\340\045\045\001\264\335\032\007\234\167
\000\077\320\334\325\354\075\324\372\273\077\314\205\326\157\177
\251\055\337\271\002\367\365\227\232\265\065\332\303\147\260\207
\112\251\050\236\043\216\377\134\047\153\341\260\117\363\007\356
\000\056\324\131\207\313\122\101\225\352\364\107\327\356\144\101
\125\174\215\131\002\225\335\142\235\302\271\356\132\050\164\204
\245\233\267\220\307\014\007\337\365\211\066\164\062\326\050\301
\260\260\013\340\234\114\303\034\326\374\343\151\265\107\106\201
\057\242\202\253\323\143\104\160\304\215\377\055\063\272\255\217
\173\265\160\210\256\076\031\317\100\050\330\374\310\220\273\135
\231\042\365\122\346\130\305\037\210\061\103\356\210\035\327\306
\216\074\103\152\035\247\030\336\175\075\026\361\142\371\312\220
\250\375

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "USERTrust RSA Certification Authority"

Issuer: CN=USERTrust RSA Certification Authority,O=The USERTRUST Network,L=Jersey City,ST=New Jersey,C=US

Serial Number:01:fd:6d:30:fc:a3:ca:51:a8:1b:bc:64:0e:35:03:2d

Subject: CN=USERTrust RSA Certification Authority,O=The USERTRUST Network,L=Jersey City,ST=New Jersey,C=US

Not Valid Before: Mon Feb 01 00:00:00 2010

Not Valid After : Mon Jan 18 23:59:59 2038

Fingerprint (SHA-256):

```
E7:93:C9:B0:2F:D8:AA:13:E2:1C:31:22:8A:CC:B0:81:19:64:3B:74:9C:89:89:64:B1:74:6D:46:C3:D4:CB:D2
# Fingerprint (SHA1): 2B:8F:1B:57:33:0D:BB:A2:D0:7A:6C:51:F7:0E:E9:0D:DA:B9:AD:8E
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "USERTrust RSA Certification Authority"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\053\217\033\127\063\015\273\242\320\172\154\121\367\016\351\015
\332\271\255\216
END
CKA_CERT_MD5_HASH
MULTILINE_OCTAL
\033\376\151\321\221\267\031\063\243\162\250\017\341\125\345\265
END
CKA_ISSUER MULTILINE_OCTAL
\060\201\210\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\023\060\021\006\003\125\004\010\023\012\116\145\167\040\112
\145\162\163\145\171\061\024\060\022\006\003\125\004\007\023\013
\112\145\162\163\145\171\040\103\151\164\171\061\036\060\034\006
\003\125\004\012\023\025\124\150\145\040\125\123\105\122\124\122
\125\123\124\040\116\145\164\167\157\162\153\061\056\060\054\006
\003\125\004\003\023\045\125\123\105\122\124\162\165\163\164\040
\122\123\101\040\103\145\162\164\151\146\151\143\141\164\151\157
\156\040\101\165\164\150\157\162\151\164\171
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\001\375\155\060\374\243\312\121\250\033\274\144\016\065
\003\055
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING
CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "USERTrust ECC Certification Authority"
#
# Issuer: CN=USERTrust ECC Certification Authority,O=The USERTRUST Network,L=Jersey City,ST=New
Jersey,C=US
# Serial Number:5c:8b:99:c5:5a:94:c5:d2:71:56:de:cd:89:80:cc:26
# Subject: CN=USERTrust ECC Certification Authority,O=The USERTRUST Network,L=Jersey City,ST=New
Jersey,C=US
# Not Valid Before: Mon Feb 01 00:00:00 2010
# Not Valid After : Mon Jan 18 23:59:59 2038
# Fingerprint (SHA-256):
4F:F4:60:D5:4B:9C:86:DA:BF:BC:FC:57:12:E0:40:0D:2B:ED:3F:BC:4D:4F:BD:AA:86:E0:6A:DC:D2:A9:AD:7A
```

Fingerprint (SHA1): D1:CB:CA:5D:B2:D5:2A:7F:69:3B:67:4D:E5:F0:5A:1D:0C:95:7D:F0

```
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "USERTrust ECC Certification Authority"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\210\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\023\060\021\006\003\125\004\010\023\012\116\145\167\040\112
\145\162\163\145\171\061\024\060\022\006\003\125\004\007\023\013
\112\145\162\163\145\171\040\103\151\164\171\061\036\060\034\006
\003\125\004\012\023\025\124\150\145\040\125\123\105\122\124\122
\125\123\124\040\116\145\164\167\157\162\153\061\056\060\054\006
\003\125\004\003\023\045\125\123\105\122\124\162\165\163\164\040
\105\103\103\040\103\145\162\164\151\146\151\143\141\164\151\157
\156\040\101\165\164\150\157\162\151\164\171
```

END

CKA_ID

UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

```
\060\201\210\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\023\060\021\006\003\125\004\010\023\012\116\145\167\040\112
\145\162\163\145\171\061\024\060\022\006\003\125\004\007\023\013
\112\145\162\163\145\171\040\103\151\164\171\061\036\060\034\006
\003\125\004\012\023\025\124\150\145\040\125\123\105\122\124\122
\125\123\124\040\116\145\164\167\157\162\153\061\056\060\054\006
\003\125\004\003\023\045\125\123\105\122\124\162\165\163\164\040
\105\103\103\040\103\145\162\164\151\146\151\143\141\164\151\157
\156\040\101\165\164\150\157\162\151\164\171
```

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

```
\002\020\134\213\231\305\132\224\305\322\161\126\336\315\211\200
\314\046
```

END

CKA_VALUE MULTILINE_OCTAL

```
\060\202\002\217\060\202\002\025\240\003\002\001\002\002\020\134
\213\231\305\132\224\305\322\161\126\336\315\211\200\314\046\060
\012\006\010\052\206\110\316\075\004\003\003\060\201\210\061\013
\060\011\006\003\125\004\006\023\002\125\123\061\023\060\021\006
\003\125\004\010\023\012\116\145\167\040\112\145\162\163\145\171
\061\024\060\022\006\003\125\004\007\023\013\112\145\162\163\145
\171\040\103\151\164\171\061\036\060\034\006\003\125\004\012\023
\025\124\150\145\040\125\123\105\122\124\122\125\123\124\040\116
\145\164\167\157\162\153\061\056\060\054\006\003\125\004\003\023
\045\125\123\105\122\124\162\165\163\164\040\105\103\103\040\103
\145\162\164\151\146\151\143\141\164\151\157\156\040\101\165\164
```

\150\157\162\151\164\171\060\036\027\015\061\060\060\062\060\061
\060\060\060\060\060\060\132\027\015\063\070\060\061\061\070\062
\063\065\071\065\071\132\060\201\210\061\013\060\011\006\003\125
\004\006\023\002\125\123\061\023\060\021\006\003\125\004\010\023
\012\116\145\167\040\112\145\162\163\145\171\061\024\060\022\006
\003\125\004\007\023\013\112\145\162\163\145\171\040\103\151\164
\171\061\036\060\034\006\003\125\004\012\023\025\124\150\145\040
\125\123\105\122\124\122\125\123\124\040\116\145\164\167\157\162
\153\061\056\060\054\006\003\125\004\003\023\045\125\123\105\122
\124\162\165\163\164\040\105\103\103\040\103\145\162\164\151\146
\151\143\141\164\151\157\156\040\101\165\164\150\157\162\151\164
\171\060\166\060\020\006\007\052\206\110\316\075\002\001\006\005
\053\201\004\000\042\003\142\000\004\032\254\124\132\251\371\150
\043\347\172\325\044\157\123\306\132\330\113\253\306\325\266\321
\346\163\161\256\335\234\326\014\141\375\333\240\211\003\270\005
\024\354\127\316\356\135\077\342\041\263\316\367\324\212\171\340
\243\203\176\055\227\320\141\304\361\231\334\045\221\143\253\177
\060\243\264\160\342\307\241\063\234\363\277\056\134\123\261\137
\263\175\062\177\212\064\343\171\171\243\102\060\100\060\035\006
\003\125\035\016\004\026\004\024\072\341\011\206\324\317\031\302
\226\166\164\111\166\334\340\065\306\143\143\232\060\016\006\003
\125\035\017\001\001\377\004\004\003\002\001\006\060\017\006\003
\125\035\023\001\001\377\004\005\060\003\001\001\377\060\012\006
\010\052\206\110\316\075\004\003\003\003\150\000\060\145\002\060
\066\147\241\026\010\334\344\227\000\101\035\116\276\341\143\001
\317\073\252\102\021\144\240\235\224\071\002\021\171\134\173\035
\372\144\271\356\026\102\263\277\212\302\011\304\354\344\261\115
\002\061\000\351\052\141\107\214\122\112\113\116\030\160\366\326
\104\326\156\365\203\272\155\130\275\044\331\126\110\352\357\304
\242\106\201\210\152\072\106\321\251\233\115\311\141\332\321\135
\127\152\030

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "USERTrust ECC Certification Authority"

Issuer: CN=USERTrust ECC Certification Authority,O=The USERTRUST Network,L=Jersey City,ST=New Jersey,C=US

Serial Number:5c:8b:99:c5:5a:94:c5:d2:71:56:de:cd:89:80:cc:26

Subject: CN=USERTrust ECC Certification Authority,O=The USERTRUST Network,L=Jersey City,ST=New Jersey,C=US

Not Valid Before: Mon Feb 01 00:00:00 2010

Not Valid After : Mon Jan 18 23:59:59 2038

Fingerprint (SHA-256):

4F:F4:60:D5:4B:9C:86:DA:BF:BC:FC:57:12:E0:40:0D:2B:ED:3F:BC:4D:4F:BD:AA:86:E0:6A:DC:D2:A9:AD:7A

Fingerprint (SHA1): D1:CB:CA:5D:B2:D5:2A:7F:69:3B:67:4D:E5:F0:5A:1D:0C:95:7D:F0

```

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "USERTrust ECC Certification Authority"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\321\313\312\135\262\325\052\177\151\073\147\115\345\360\132\035
\014\225\175\360
END
CKA_CERT_MD5_HASH
MULTILINE_OCTAL
\372\150\274\331\265\177\255\375\311\035\006\203\050\314\044\301
END
CKA_ISSUER MULTILINE_OCTAL
\060\201\210\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\023\060\021\006\003\125\004\010\023\012\116\145\167\040\112
\145\162\163\145\171\061\024\060\022\006\003\125\004\007\023\013
\112\145\162\163\145\171\040\103\151\164\171\061\036\060\034\006
\003\125\004\012\023\025\124\150\145\040\125\123\105\122\124\122
\125\123\124\040\116\145\164\167\157\162\153\061\056\060\054\006
\003\125\004\003\023\045\125\123\105\122\124\162\165\163\164\040
\105\103\103\040\103\145\162\164\151\146\151\143\141\164\151\157
\156\040\101\165\164\150\157\162\151\164\171
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\134\213\231\305\132\224\305\322\161\126\336\315\211\200
\314\046
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING
CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "GlobalSign ECC Root CA - R5"
#
# Issuer: CN=GlobalSign,O=GlobalSign,OU=GlobalSign ECC Root CA - R5
# Serial Number:60:59:49:e0:26:2e:bb:55:f9:0a:77:8a:71:f9:4a:d8:6c
# Subject: CN=GlobalSign,O=GlobalSign,OU=GlobalSign ECC Root CA - R5
# Not Valid Before: Tue Nov 13 00:00:00 2012
# Not Valid After : Tue Jan 19 03:14:07 2038
# Fingerprint (SHA-256):
17:9F:BC:14:8A:3D:D0:0F:D2:4E:A1:34:58:CC:43:BF:A7:F5:9C:81:82:D7:83:A5:13:F6:EB:EC:10:0C:89:24
# Fingerprint (SHA1): 1F:24:C6:30:CD:A4:18:EF:20:69:FF:AD:4F:DD:5F:46:3A:1B:69:AA
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE

```

```
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "GlobalSign ECC Root CA - R5"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\120\061\044\060\042\006\003\125\004\013\023\033\107\154\157
\142\141\154\123\151\147\156\040\105\103\103\040\122\157\157\164
\040\103\101\040\055\040\122\065\061\023\060\021\006\003\125\004
\012\023\012\107\154\157\142\141\154\123\151\147\156\061\023\060
\021\006\003\125\004\003\023\012\107\154\157\142\141\154\123\151
\147\156
END
CKA_ID
UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\120\061\044\060\042\006\003\125\004\013\023\033\107\154\157
\142\141\154\123\151\147\156\040\105\103\103\040\122\157\157\164
\040\103\101\040\055\040\122\065\061\023\060\021\006\003\125\004
\012\023\012\107\154\157\142\141\154\123\151\147\156\061\023\060
\021\006\003\125\004\003\023\012\107\154\157\142\141\154\123\151
\147\156
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\021\140\131\111\340\046\056\273\125\371\012\167\212\161\371
\112\330\154
END
CKA_VALUE MULTILINE_OCTAL
\060\202\002\036\060\202\001\244\240\003\002\001\002\002\021\140
\131\111\340\046\056\273\125\371\012\167\212\161\371\112\330\154
\060\012\006\010\052\206\110\316\075\004\003\003\060\120\061\044
\060\042\006\003\125\004\013\023\033\107\154\157\142\141\154\123
\151\147\156\040\105\103\103\040\122\157\157\164\040\103\101\040
\055\040\122\065\061\023\060\021\006\003\125\004\012\023\012\107
\154\157\142\141\154\123\151\147\156\061\023\060\021\006\003\125
\004\003\023\012\107\154\157\142\141\154\123\151\147\156\060\036
\027\015\061\062\061\061\061\063\060\060\060\060\060\060\132\027
\015\063\070\060\061\061\071\060\063\061\064\060\067\132\060\120
\061\044\060\042\006\003\125\004\013\023\033\107\154\157\142\141
\154\123\151\147\156\040\105\103\103\040\122\157\157\164\040\103
\101\040\055\040\122\065\061\023\060\021\006\003\125\004\012\023
\012\107\154\157\142\141\154\123\151\147\156\061\023\060\021\006
\003\125\004\003\023\012\107\154\157\142\141\154\123\151\147\156
\060\166\060\020\006\007\052\206\110\316\075\002\001\006\005\053
\201\004\000\042\003\142\000\004\107\105\016\226\373\175\135\277
\351\071\321\041\370\237\013\266\325\173\036\222\072\110\131\034
\360\142\061\055\300\172\050\376\032\247\134\263\266\314\227\347
\105\324\130\372\321\167\155\103\242\300\207\145\064\012\037\172
\335\353\074\063\241\305\235\115\244\157\101\225\070\177\311\036
\204\353\321\236\111\222\207\224\207\014\072\205\112\146\237\235
```



```
\131\223\115\227\141\006\206\112\243\102\060\100\060\016\006\003
\125\035\017\001\001\377\004\004\003\002\001\006\060\017\006\003
\125\035\023\001\001\377\004\005\060\003\001\001\377\060\035\006
\003\125\035\016\004\026\004\024\075\346\051\110\233\352\007\312
\041\104\112\046\336\156\336\322\203\320\237\131\060\012\006\010
\052\206\110\316\075\004\003\003\003\150\000\060\145\002\061\000
\345\151\022\311\156\333\306\061\272\011\101\341\227\370\373\375
\232\342\175\022\311\355\174\144\323\313\005\045\213\126\331\240
\347\136\135\116\013\203\234\133\166\051\240\011\046\041\152\142
\002\060\161\322\265\217\134\352\073\341\170\011\205\250\165\222
\073\310\134\375\110\357\015\164\042\250\010\342\156\305\111\316
\307\014\274\247\141\151\361\367\073\341\052\313\371\053\363\146
\220\067
```

END

CKA_NSS_Mozilla_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "GlobalSign ECC Root CA - R5"

Issuer: CN=GlobalSign,O=GlobalSign,OU=GlobalSign ECC Root CA - R5

Serial Number:60:59:49:e0:26:2e:bb:55:f9:0a:77:8a:71:f9:4a:d8:6c

Subject: CN=GlobalSign,O=GlobalSign,OU=GlobalSign ECC Root CA - R5

Not Valid Before: Tue Nov 13 00:00:00 2012

Not Valid After : Tue Jan 19 03:14:07 2038

Fingerprint (SHA-256):

17:9F:BC:14:8A:3D:D0:0F:D2:4E:A1:34:58:CC:43:BF:A7:F5:9C:81:82:D7:83:A5:13:F6:EB:EC:10:0C:89:24

Fingerprint (SHA1): 1F:24:C6:30:CD:A4:18:EF:20:69:FF:AD:4F:DD:5F:46:3A:1B:69:AA

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "GlobalSign ECC Root CA - R5"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\037\044\306\060\315\244\030\357\040\151\377\255\117\335\137\106
\072\033\151\252
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\237\255\073\034\002\036\212\272\027\164\070\201\014\242\274\010
```

END

CKA_ISSUER

MULTILINE_OCTAL

```
\060\120\061\044\060\042\006\003\125\004\013\023\033\107\154\157
\142\141\154\123\151\147\156\040\105\103\103\040\122\157\157\164
\040\103\101\040\055\040\122\065\061\023\060\021\006\003\125\004
\012\023\012\107\154\157\142\141\154\123\151\147\156\061\023\060
\021\006\003\125\004\003\023\012\107\154\157\142\141\154\123\151
\147\156
```

```

END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\021\140\131\111\340\046\056\273\125\371\012\167\212\161\371
\112\330\154
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "Staat der Nederlanden Root CA - G3"
#
# Issuer: CN=Staat der Nederlanden Root CA - G3,O=Staat der Nederlanden,C=NL
# Serial Number: 10003001 (0x98a239)
# Subject: CN=Staat der Nederlanden Root CA - G3,O=Staat der Nederlanden,C=NL
#
Not Valid Before: Thu Nov 14 11:28:42 2013
# Not Valid After : Mon Nov 13 23:00:00 2028
# Fingerprint (SHA-256):
3C:4F:B0:B9:5A:B8:B3:00:32:F4:32:B8:6F:53:5F:E1:72:C1:85:D0:FD:39:86:58:37:CF:36:18:7F:A6:F4:28
# Fingerprint (SHA1): D8:EB:6B:41:51:92:59:E0:F3:E7:85:00:C0:3D:B6:88:97:C9:EE:FC
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Staat der Nederlanden Root CA - G3"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\132\061\013\060\011\006\003\125\004\006\023\002\116\114\061
\036\060\034\006\003\125\004\012\014\025\123\164\141\141\164\040
\144\145\162\040\116\145\144\145\162\154\141\156\144\145\156\061
\053\060\051\006\003\125\004\003\014\042\123\164\141\141\164\040
\144\145\162\040\116\145\144\145\162\154\141\156\144\145\156\040
\122\157\157\164\040\103\101\040\055\040\107\063
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\132\061\013\060\011\006\003\125\004\006\023\002\116\114\061
\036\060\034\006\003\125\004\012\014\025\123\164\141\141\164\040
\144\145\162\040\116\145\144\145\162\154\141\156\144\145\156\061
\053\060\051\006\003\125\004\003\014\042\123\164\141\141\164\040
\144\145\162\040\116\145\144\145\162\154\141\156\144\145\156\040
\122\157\157\164\040\103\101\040\055\040\107\063
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\004\000\230\242\071

```

END

CKA_VALUE MULTILINE_OCTAL

\060\202\005\164\060\202\003\134\240\003\002\001\002\002\004\000
\230\242\071\060\015\006\011\052\206\110\206\367\015\001\001\013
\005\000\060\132\061\013\060\011\006\003\125\004\006\023\002\116
\114\061\036\060\034\006\003\125\004\012\014\025\123\164\141\141
\164\040\144\145\162\040\116\145\144\145\162\154\141\156\144\145
\156\061\053\060\051\006\003\125\004\003\014\042\123\164\141\141
\164\040\144\145\162\040\116\145\144\145\162\154\141\156\144\145
\156\040\122\157\157\164\040\103\101\040\055\040\107\063\060\036
\027\015\061\063\061\061\061\064\061\061\062\070\064\062\132\027
\015\062\070\061\061\061\063\062\063\060\060\060\060\132\060\132
\061\013\060\011\006\003\125\004\006\023\002\116\114\061\036\060
\034\006\003\125\004\012\014\025\123\164\141\141\164\040\144\145
\162\040\116\145\144\145\162\154\141\156\144\145\156\061\053\060
\051\006\003\125\004\003\014\042\123\164\141\141\164\040\144\145
\162\040\116\145\144\145\162\154\141\156\144\145\156\040\122\157
\157\164\040\103\101\040\055\040\107\063\060\202\002\042\060\015
\006\011\052\206\110\206\367\015\001\001\001\005\000\003\202\002
\017\000\060\202\002\012\002\202\002\001\000\276\062\242\124\017
\160\373\054\134\131\353\154\304\244\121\350\205\052\263\314\112
\064\362\260\137\363\016\307\034\075\123\036\210\010\150\330\157
\075\255\302\236\314\202\147\007\047\207\150\161\072\237\165\226
\042\106\005\260\355\255\307\133\236\052\336\234\374\072\306\225
\247\365\027\147\030\347\057\111\010\014\134\317\346\314\064\355
\170\373\120\261\334\153\062\360\242\376\266\074\344\354\132\227
\307\077\036\160\010\060\240\334\305\263\155\157\320\202\162\021
\253\322\201\150\131\202\027\267\170\222\140\372\314\336\077\204
\353\215\070\063\220\012\162\043\372\065\314\046\161\061\321\162
\050\222\331\133\043\155\146\265\155\007\102\353\246\063\316\222
\333\300\366\154\143\170\315\312\116\075\265\345\122\233\361\276
\073\346\124\140\260\146\036\011\253\007\376\124\211\021\102\321
\367\044\272\140\170\032\230\367\311\021\375\026\301\065\032\124
\165\357\103\323\345\256\116\316\347\173\303\306\116\141\121\113
\253\232\105\113\241\037\101\275\110\123\025\161\144\013\206\263
\345\056\276\316\244\033\301\051\204\242\265\313\010\043\166\103
\042\044\037\027\004\324\156\234\306\374\177\053\146\032\354\212
\345\326\317\115\365\143\011\267\025\071\326\173\254\353\343\174
\351\116\374\165\102\310\355\130\225\014\006\102\242\234\367\344
\160\263\337\162\157\132\067\100\211\330\205\244\327\361\013\336
\103\031\324\112\130\054\214\212\071\236\277\204\207\361\026\073
\066\014\351\323\264\312\154\031\101\122\011\241\035\260\152\277
\202\357\160\121\041\062\334\005\166\214\313\367\144\344\003\120
\257\214\221\147\253\305\362\356\130\330\336\276\367\347\061\317
\154\311\073\161\301\325\210\265\145\274\300\350\027\027\007\022
\265\134\322\253\040\223\264\346\202\203\160\066\305\315\243\215
\255\213\354\243\301\103\207\346\103\342\064\276\225\213\065\355
\007\071\332\250\035\172\237\066\236\022\260\014\145\022\220\025

\140\331\046\100\104\343\126\140\245\020\324\152\074\375\101\334
\016\132\107\266\357\227\141\165\117\331\376\307\262\035\324\355
\135\111\263\251\152\313\146\204\023\325\134\240\334\337\156\167
\006\321\161\165\310\127\157\257\017\167\133\002\003\001\000\001
\243\102\060\100\060\017\006\003\125\035\023\001\001\377\004\005
\060\003\001\001\377\060\016\006\003\125\035\017\001\001\377\004
\004\003\002\001\006\060\035\006\003\125\035\016\004\026\004\024
\124\255\372\307\222\127\256\312\065\234\056\022\373\344\272\135
\040\334\224\127\060\015\006\011\052\206\110\206\367\015\001\001
\013\005\000\003\202\002\001\000\060\231\235\005\062\310\136\016
\073\230\001\072\212\244\347\007\367\172\370\347\232\337\120\103
\123\227\052\075\312\074\107\230\056\341\025\173\361\222\363\141
\332\220\045\026\145\300\237\124\135\016\003\073\133\167\002\234
\204\266\015\230\137\064\335\073\143\302\303\050\201\302\234\051
\056\051\342\310\303\001\362\063\352\052\252\314\011\010\367\145
\147\306\315\337\323\266\053\247\275\314\321\016\160\137\270\043
\321\313\221\116\012\364\310\172\345\331\143\066\301\324\337\374
\042\227\367\140\135\352\051\057\130\262\275\130\275\215\226\117
\020\165\277\110\173\075\121\207\241\074\164\042\302\374\007\177
\200\334\304\254\376\152\301\160\060\260\351\216\151\342\054\151
\201\224\011\272\335\376\115\300\203\214\224\130\300\106\040\257
\234\037\002\370\065\125\111\057\106\324\300\360\240\226\002\017
\063\305\161\363\236\043\175\224\267\375\072\323\011\203\006\041
\375\140\075\256\062\300\322\356\215\246\360\347\264\202\174\012
\314\160\311\171\200\370\376\114\367\065\204\031\212\061\373\012
\331\327\177\233\360\242\232\153\303\005\112\355\101\140\024\060
\321\252\021\102\156\323\043\002\004\013\306\145\335\335\122\167
\332\201\153\262\250\372\001\070\271\226\352\052\154\147\227\211
\224\236\274\341\124\325\344\152\170\357\112\275\053\232\075\100
\176\306\300\165\322\156\373\150\060\354\354\213\235\371\111\065
\232\032\054\331\263\225\071\325\036\222\367\246\271\145\057\345
\075\155\072\110\114\010\334\344\050\022\050\276\175\065\134\352
\340\026\176\023\033\152\327\076\327\236\374\055\165\262\301\024
\325\043\003\333\133\157\013\076\170\057\015\336\063\215\026\267
\110\347\203\232\201\017\173\301\103\115\125\004\027\070\112\121
\325\131\242\211\164\323\237\276\036\113\327\306\155\267\210\044
\157\140\221\244\202\205\133\126\101\274\320\104\253\152\023\276
\321\054\130\267\022\063\130\262\067\143\334\023\365\224\035\077
\100\121\365\117\365\072\355\310\305\353\302\036\035\026\225\172
\307\176\102\161\223\156\113\025\267\060\337\252\355\127\205\110
\254\035\152\335\071\151\344\341\171\170\276\316\005\277\241\014
\367\200\173\041\147\047\060\131

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

```

# Trust for "Staat der Nederlanden Root CA - G3"
# Issuer: CN=Staat der Nederlanden Root CA - G3,O=Staat der Nederlanden,C=NL
# Serial Number: 10003001 (0x98a239)
# Subject: CN=Staat der Nederlanden Root CA - G3,O=Staat der Nederlanden,C=NL
# Not Valid Before: Thu Nov 14 11:28:42 2013
# Not Valid After : Mon Nov 13 23:00:00 2028
# Fingerprint (SHA-256):
3C:4F:B0:B9:5A:B8:B3:00:32:F4:32:B8:6F:53:5F:E1:72:C1:85:D0:FD:39:86:58:37:CF:36:18:7F:A6:F4:28
# Fingerprint (SHA1): D8:EB:6B:41:51:92:59:E0:F3:E7:85:00:C0:3D:B6:88:97:C9:EE:FC
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Staat der Nederlanden Root CA - G3"
CKA_CERT_SHA1_HASH
MULTILINE_OCTAL
\330\353\153\101\121\222\131\340\363\347\205\000\300\075\266\210
\227\311\356\374
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\013\106\147\007\333\020\057\031\214\065\120\140\321\013\364\067
END
CKA_ISSUER MULTILINE_OCTAL
\060\132\061\013\060\011\006\003\125\004\006\023\002\116\114\061
\036\060\034\006\003\125\004\012\014\025\123\164\141\141\164\040
\144\145\162\040\116\145\144\145\162\154\141\156\144\145\156\061
\053\060\051\006\003\125\004\003\014\042\123\164\141\141\164\040
\144\145\162\040\116\145\144\145\162\154\141\156\144\145\156\040
\122\157\157\164\040\103\101\040\055\040\107\063
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\004\000\230\242\071
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "IdenTrust Commercial Root CA 1"
#
# Issuer: CN=IdenTrust Commercial Root CA
1,O=IdenTrust,C=US
# Serial Number:0a:01:42:80:00:00:01:45:23:c8:44:b5:00:00:00:02
# Subject: CN=IdenTrust Commercial Root CA 1,O=IdenTrust,C=US
# Not Valid Before: Thu Jan 16 18:12:23 2014
# Not Valid After : Mon Jan 16 18:12:23 2034
# Fingerprint (SHA-256):

```

5D:56:49:9B:E4:D2:E0:8B:CF:CA:D0:8A:3E:38:72:3D:50:50:3B:DE:70:69:48:E4:2F:55:60:30:19:E5:28:AE
Fingerprint (SHA1): DF:71:7E:AA:4A:D9:4E:C9:55:84:99:60:2D:48:DE:5F:BC:F0:3A:25
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "IdenTrust Commercial Root CA 1"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\112\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\022\060\020\006\003\125\004\012\023\011\111\144\145\156\124\162
\165\163\164\061\047\060\045\006\003\125\004\003\023\036\111\144
\145\156\124\162\165\163\164\040\103\157\155\155\145\162\143\151
\141\154\040\122\157\157\164\040\103\101\040\061
END
CKA_ID
UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\112\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\022\060\020\006\003\125\004\012\023\011\111\144\145\156\124\162
\165\163\164\061\047\060\045\006\003\125\004\003\023\036\111\144
\145\156\124\162\165\163\164\040\103\157\155\155\145\162\143\151
\141\154\040\122\157\157\164\040\103\101\040\061
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\012\001\102\200\000\000\001\105\043\310\104\265\000\000
\000\002
END
CKA_VALUE MULTILINE_OCTAL
\060\202\005\140\060\202\003\110\240\003\002\001\002\002\020\012
\001\102\200\000\000\001\105\043\310\104\265\000\000\000\002\060
\015\006\011\052\206\110\206\367\015\001\001\013\005\000\060\112
\061\013\060\011\006\003\125\004\006\023\002\125\123\061\022\060
\020\006\003\125\004\012\023\011\111\144\145\156\124\162\165\163
\164\061\047\060\045\006\003\125\004\003\023\036\111\144\145\156
\124\162\165\163\164\040\103\157\155\155\145\162\143\151\141\154
\040\122\157\157\164\040\103\101\040\061\060\036\027\015\061\064
\060\061\061\066\061\070\061\062\062\063\132\027\015\063\064\060
\061\061\066\061\070\061\062\062\063\132\060\112\061\013\060\011
\006\003\125\004\006\023\002\125\123\061\022\060\020\006\003\125
\004\012\023\011\111\144\145\156\124\162\165\163\164\061\047\060
\045\006\003\125\004\003\023\036\111\144\145\156\124\162\165\163
\164\040\103\157\155\155\145\162\143\151\141\154\040\122\157\157
\164\040\103\101\040\061\060\202\002\042\060\015\006\011\052\206
\110\206\367\015\001\001\001\005\000\003\202\002\017\000\060\202
\002\012\002\202\002\001\000\247\120\031\336\077\231\075\324\063
\106\361\157\121\141\202\262\251\117\217\147\211\135\204\331\123
\335\014\050\331\327\360\377\256\225\103\162\231\371\265\135\174

\212\301\102\341\061\120\164\321\201\015\174\315\233\041\253\103
\342\254\255\136\206\156\363\011\212\037\132\062\275\242\353\224
\371\350\134\012\354\377\230\322\257\161\263\264\123\237\116\207
\357\222\274\275\354\117\062\060\210\113\027\136\127\304\123\302
\366\002\227\215\331\142\053\277\044\037\142\215\337\303\270\051
\113\111\170\074\223\140\210\042\374\231\332\066\310\302\242\324
\054\124\000\147\065\156\163\277\002\130\360\244\335\345\260\242
\046\172\312\340\066\245\031\026\365\375\267\357\256\077\100\365
\155\132\004\375\316\064\312\044\334\164\043\033\135\063\023\022
\135\304\001\045\366\060\335\002\135\237\340\325\107\275\264\353
\033\241\273\111\111\330\237\133\002\363\212\344\044\220\344\142
\117\117\301\257\213\016\164\027\250\321\162\210\152\172\001\111
\314\264\106\171\306\027\261\332\230\036\007\131\372\165\041\205
\145\335\220\126\316\373\253\245\140\235\304\235\371\122\260\213
\275\207\371\217\053\043\012\043\166\073\367\063\341\311\000\363
\151\371\113\242\340\116\274\176\223\071\204\007\367\104\160\176
\376\007\132\345\261\254\321\030\314\362\065\345\111\111\010\312
\126\311\075\373\017\030\175\213\073\301\023\302\115\217\311\117
\016\067\351\037\241\016\152\337\142\056\313\065\006\121\171\054
\310\045\070\364\372\113\247\211\134\234\322\343\015\071\206\112
\164\174\325\131\207\302\077\116\014\134\122\364\075\367\122\202
\361\352\243\254\375\111\064\032\050\363\101\210\072\023\356\350
\336\377\231\035\137\272\313\350\036\362\271\120\140\300\061\323
\163\345\357\276\240\355\063\013\164\276\040\040\304\147\154\360
\010\003\172\125\200\177\106\116\226\247\364\036\076\341\366\330
\011\341\063\144\053\143\327\062\136\237\371\300\173\017\170\157
\227\274\223\232\371\234\022\220\170\172\200\207\025\327\162\164
\234\125\164\170\261\272\341\156\160\004\272\117\240\272\150\303
\173\377\061\360\163\075\075\224\052\261\013\101\016\240\376\115
\210\145\153\171\063\264\327\002\003\001\000\001\243\102\060\100
\060\016\006\003\125\035\017\001\001\377\004\004\003\002\001\006
\060\017\006\003\125\035\023\001\001\377\004\005\060\003\001\001
\377\060\035\006\003\125\035\016\004\026\004\024\355\104\031\300
\323\360\006\213\356\244\173\276\102\347\046\124\310\216\066\166
\060\015\006\011\052\206\110\206\367\015\001\001\013\005\000\003
\202\002\001\000\015\256\220\062\366\246\113\174\104\166\031\141
\036\047\050\315\136\124\357\045\274\343\010\220\371\051\327\256
\150\010\341\224\000\130\357\056\056\176\123\122\214\266\134\007
\352\210\272\231\213\120\224\327\202\200\337\141\011\000\223\255
\015\024\346\316\301\362\067\224\170\260\137\234\263\242\163\270
\217\005\223\070\315\215\076\260\270\373\300\317\261\362\354\055
\055\033\314\354\252\232\263\252\140\202\033\055\073\303\204\075
\127\212\226\036\234\165\270\323\060\315\140\010\203\220\323\216
\124\361\115\146\300\135\164\003\100\243\356\205\176\302\037\167
\234\006\350\301\247\030\135\122\225\355\311\335\045\236\155\372
\251\355\243\072\064\320\131\173\332\355\120\363\065\277\355\353
\024\115\061\307\140\364\332\361\207\234\342\110\342\306\305\067
\373\006\020\372\165\131\146\061\107\051\332\166\232\034\351\202

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\256\357\232\271\121\367\210\043\232\151\225\142\074\345\125\200
\066\327\124\002\377\361\271\135\316\324\043\157\330\105\204\112
\133\145\357\211\014\335\024\247\040\313\030\245\045\264\015\371
\001\360\242\322\364\000\310\164\216\241\052\110\216\145\333\023
\304\342\045\027\175\353\276\207\133\027\040\124\121\223\112\123
\003\013\354\135\312\063\355\142\375\105\307\057\133\334\130\240
\200\071\346\372\327\376\023\024\246\355\075\224\112\102\164\324
\303\167\131\163\315\217\106\276\125\070\357\372\350\221\062\352
\227\130\004\042\336\070\303\314\274\155\311\063\072\152\012\151
\077\240\310\352\162\217\214\143\206\043\275\155\074\226\236\225
\340\111\114\252\242\271\052\033\234\066\201\170\355\303\350\106
\342\046\131\104\165\036\331\165\211\121\315\020\204\235\141\140
\313\135\371\227\042\115\216\230\346\343\177\366\133\273\256\315
\312\112\201\153\136\013\363\121\341\164\053\351\176\047\247\331
\231\111\116\370\245\200\333\045\017\034\143\142\212\311\063\147
\153\074\020\203\306\255\336\250\315\026\216\215\360\007\067\161
\237\362\253\374\101\365\301\213\354\000\067\135\011\345\116\200
\357\372\261\134\070\006\245\033\112\341\334\070\055\074\334\253
\037\220\032\325\112\234\356\321\160\154\314\356\364\127\370\030
\272\204\156\207
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "IdenTrust Commercial Root CA 1"

Issuer: CN=IdenTrust Commercial Root CA 1,O=IdenTrust,C=US

Serial Number:0a:01:42:80:00:00:01:45:23:c8:44:b5:00:00:00:02

Subject: CN=IdenTrust Commercial Root CA 1,O=IdenTrust,C=US

Not Valid Before: Thu Jan 16 18:12:23 2014

Not Valid After : Mon Jan 16 18:12:23 2034

Fingerprint (SHA-256):

5D:56:49:9B:E4:D2:E0:8B:CF:CA:D0:8A:3E:38:72:3D:50:50:3B:DE:70:69:48:E4:2F:55:60:30:19:E5:28:AE

Fingerprint (SHA1): DF:71:7E:AA:4A:D9:4E:C9:55:84:99:60:2D:48:DE:5F:BC:F0:3A:25

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "IdenTrust Commercial Root CA 1"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\337\161\176\252\112\331\116\311\125\204\231\140\055\110\336\137
\274\360\072\045
```

END

CKA_CERT_MD5_HASH

MULTILINE_OCTAL

```
\263\076\167\163\165\356\240\323\343\176\111\143\111\131\273\307
```

END


```

CKA_ISSUER MULTILINE_OCTAL
\060\112\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\022\060\020\006\003\125\004\012\023\011\111\144\145\156\124\162
\165\163\164\061\047\060\045\006\003\125\004\003\023\036\111\144
\145\156\124\162\165\163\164\040\103\157\155\155\145\162\143\151
\141\154\040\122\157\157\164\040\103\101\040\061
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\012\001\102\200\000\000\001\105\043\310\104\265\000\000
\000\002
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "IdenTrust Public Sector Root CA 1"
#
# Issuer: CN=IdenTrust Public Sector Root CA 1,O=IdenTrust,C=US
# Serial Number:0a:01:42:80:00:00:01:45:23:cf:46:7c:00:00:00:02
#
# Subject: CN=IdenTrust Public Sector Root CA 1,O=IdenTrust,C=US
# Not Valid Before: Thu Jan 16 17:53:32 2014
# Not Valid After : Mon Jan 16 17:53:32 2034
# Fingerprint (SHA-256):
30:D0:89:5A:9A:44:8A:26:20:91:63:55:22:D1:F5:20:10:B5:86:7A:CA:E1:2C:78:EF:95:8F:D4:F4:38:9F:2F
# Fingerprint (SHA1): BA:29:41:60:77:98:3F:F4:F3:EF:F2:31:05:3B:2E:EA:6D:4D:45:FD
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "IdenTrust Public Sector Root CA 1"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\115\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\022\060\020\006\003\125\004\012\023\011\111\144\145\156\124\162
\165\163\164\061\052\060\050\006\003\125\004\003\023\041\111\144
\145\156\124\162\165\163\164\040\120\165\142\154\151\143\040\123
\145\143\164\157\162\040\122\157\157\164\040\103\101\040\061
END
CKA_ID UTF8 "0"
CKA_ISSUER
MULTILINE_OCTAL
\060\115\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\022\060\020\006\003\125\004\012\023\011\111\144\145\156\124\162
\165\163\164\061\052\060\050\006\003\125\004\003\023\041\111\144
\145\156\124\162\165\163\164\040\120\165\142\154\151\143\040\123

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\145\143\164\157\162\040\122\157\157\164\040\103\101\040\061
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\012\001\102\200\000\000\001\105\043\317\106\174\000\000
\000\002
END
CKA_VALUE MULTILINE_OCTAL
\060\202\005\146\060\202\003\116\240\003\002\001\002\002\020\012
\001\102\200\000\000\001\105\043\317\106\174\000\000\000\002\060
\015\006\011\052\206\110\206\367\015\001\001\013\005\000\060\115
\061\013\060\011\006\003\125\004\006\023\002\125\123\061\022\060
\020\006\003\125\004\012\023\011\111\144\145\156\124\162\165\163
\164\061\052\060\050\006\003\125\004\003\023\041\111\144\145\156
\124\162\165\163\164\040\120\165\142\154\151\143\040\123\145\143
\164\157\162\040\122\157\157\164\040\103\101\040\061\060\036\027
\015\061\064\060\061\061\066\061\067\065\063\063\062\132\027\015
\063\064\060\061\061\066\061\067\065\063\063\062\132\060\115\061
\013\060\011\006\003\125\004\006\023\002\125\123\061\022\060\020
\006\003\125\004\012\023\011\111\144\145\156\124\162\165\163\164
\061\052\060\050\006\003\125\004\003\023\041\111\144\145\156\124
\162\165\163\164\040\120\165\142\154\151\143\040\123\145\143\164
\157\162\040\122\157\157\164\040\103\101\040\061\060\202\002\042
\060\015\006\011\052\206\110\206\367\015\001\001\001\005\000\003
\202\002\017\000\060\202\002\012\002\202\002\001\000\266\042\224
\374\244\110\257\350\107\153\012\373\047\166\344\362\077\212\073
\172\112\054\061\052\214\215\260\251\303\061\153\250\167\166\204
\046\266\254\201\102\015\010\353\125\130\273\172\370\274\145\175
\362\240\155\213\250\107\351\142\166\036\021\356\010\024\321\262
\104\026\364\352\320\372\036\057\136\333\313\163\101\256\274\000
\260\112\053\100\262\254\341\073\113\302\055\235\344\241\233\354
\032\072\036\360\010\263\320\344\044\065\007\237\234\264\311\122
\155\333\007\312\217\265\133\360\203\363\117\307\055\245\310\255
\313\225\040\244\061\050\127\130\132\344\215\033\232\253\236\015
\014\362\012\063\071\042\071\012\227\056\363\123\167\271\104\105
\375\204\313\066\040\201\131\055\232\157\155\110\110\141\312\114
\337\123\321\257\122\274\104\237\253\057\153\203\162\357\165\200
\332\006\063\033\135\310\332\143\306\115\315\254\146\061\315\321
\336\076\207\020\066\341\271\244\172\357\140\120\262\313\312\246
\126\340\067\257\253\064\023\071\045\350\071\146\344\230\172\252
\022\230\234\131\146\206\076\255\361\260\312\076\006\017\173\360
\021\113\067\240\104\155\173\313\250\214\161\364\325\265\221\066
\314\360\025\306\053\336\121\027\261\227\114\120\075\261\225\131
\174\005\175\055\041\325\000\277\001\147\242\136\173\246\134\362
\367\042\361\220\015\223\333\252\104\121\146\314\175\166\003\353
\152\250\052\070\031\227\166\015\153\212\141\371\274\366\356\166
\375\160\053\335\051\074\370\012\036\133\102\034\213\126\057\125
\033\034\241\056\265\307\026\346\370\252\074\222\216\151\266\001
\301\265\206\235\211\017\013\070\224\124\350\352\334\236\075\045

\274\123\046\355\325\253\071\252\305\100\114\124\253\262\264\331
\331\370\327\162\333\034\274\155\275\145\137\357\210\065\052\146
\057\356\366\263\145\360\063\215\174\230\101\151\106\017\103\034
\151\372\233\265\320\141\152\315\312\113\331\114\220\106\253\025
\131\241\107\124\051\056\203\050\137\034\302\242\253\162\027\000
\006\216\105\354\213\342\063\075\177\332\031\104\344\142\162\303
\337\042\306\362\126\324\335\137\225\162\355\155\137\367\110\003
\133\375\305\052\240\366\163\043\204\020\033\001\347\002\003\001
\000\001\243\102\060\100\060\016\006\003\125\035\017\001\001\377
\004\004\003\002\001\006\060\017\006\003\125\035\023\001\001\377
\004\005\060\003\001\001\377\060\035\006\003\125\035\016\004\026
\004\024\343\161\340\236\330\247\102\331\333\161\221\153\224\223
\353\303\243\321\024\243\060\015\006\011\052\206\110\206\367\015
\001\001\013\005\000\003\202\002\001\000\107\372\335\012\260\021
\221\070\255\115\135\367\345\016\227\124\031\202\110\207\124\214
\252\144\231\330\132\376\210\001\305\130\245\231\261\043\124\043
\267\152\035\040\127\345\001\142\101\027\323\011\333\165\313\156
\124\220\165\376\032\237\201\012\302\335\327\367\011\320\133\162
\025\344\036\011\152\075\063\363\041\232\346\025\176\255\121\325
\015\020\355\175\102\300\217\356\300\232\010\325\101\326\134\016
\041\151\156\200\141\016\025\300\270\317\305\111\022\122\314\276
\072\314\324\056\070\005\336\065\375\037\157\270\200\150\230\075
\115\240\312\100\145\322\163\174\365\213\331\012\225\077\330\077
\043\155\032\321\052\044\031\331\205\263\027\357\170\156\251\130
\321\043\323\307\023\355\162\045\177\135\261\163\160\320\177\006
\227\011\204\051\200\141\035\372\136\377\163\254\240\343\211\270
\034\161\025\306\336\061\177\022\334\341\155\233\257\347\350\237
\165\170\114\253\106\073\232\316\277\005\030\135\115\025\074\026
\232\031\120\004\232\262\232\157\145\213\122\137\074\130\004\050
\045\300\146\141\061\176\271\340\165\271\032\250\201\326\162\027
\263\305\003\061\065\021\170\170\242\340\351\060\214\177\200\337
\130\337\074\272\047\226\342\200\064\155\343\230\323\144\047\254
\110\176\050\167\134\306\045\141\045\370\205\014\145\372\304\062
\057\245\230\005\344\370\013\147\026\026\306\202\270\062\031\371
\371\271\171\334\037\315\353\257\253\016\335\033\333\105\344\172
\347\002\342\225\135\374\151\360\123\151\141\225\165\171\013\136
\125\346\070\034\224\251\131\063\236\310\161\164\171\177\121\211
\266\310\152\270\060\310\152\070\303\156\236\341\067\026\352\005
\142\114\133\022\107\355\247\264\263\130\126\307\111\363\177\022
\150\011\061\161\360\155\370\116\107\373\326\205\356\305\130\100
\031\244\035\247\371\113\103\067\334\150\132\117\317\353\302\144
\164\336\264\025\331\364\124\124\032\057\034\327\227\161\124\220
\216\331\040\235\123\053\177\253\217\342\352\060\274\120\067\357
\361\107\265\175\174\054\004\354\150\235\264\111\104\020\364\162
\113\034\144\347\374\346\153\220\335\151\175\151\375\000\126\245
\267\254\266\255\267\312\076\001\357\234

END

CKA_NSS_MOZILLA_CA_POLICY

```

CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

# Trust for "IdenTrust Public Sector Root CA 1"
# Issuer: CN=IdenTrust Public Sector Root CA 1,O=IdenTrust,C=US
# Serial Number:0a:01:42:80:00:00:01:45:23:cf:46:7c:00:00:00:02
# Subject: CN=IdenTrust Public Sector Root CA 1,O=IdenTrust,C=US
# Not Valid Before: Thu Jan 16 17:53:32 2014
# Not Valid After : Mon Jan 16 17:53:32 2034
# Fingerprint (SHA-256):
30:D0:89:5A:9A:44:8A:26:20:91:63:55:22:D1:F5:20:10:B5:86:7A:CA:E1:2C:78:EF:95:8F:D4:F4:38:9F:2F
# Fingerprint (SHA1): BA:29:41:60:77:98:3F:F4:F3:EF:F2:31:05:3B:2E:EA:6D:4D:45:FD
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "IdenTrust Public Sector Root CA 1"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\272\051\101\140\167\230\077\364\363\357\362\061\005\073\056\352
\155\115\105\375
END
CKA_CERT_MD5_HASH
MULTILINE_OCTAL
\067\006\245\260\374\211\235\272\364\153\214\032\144\315\325\272
END
CKA_ISSUER MULTILINE_OCTAL
\060\115\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\022\060\020\006\003\125\004\012\023\011\111\144\145\156\124\162
\165\163\164\061\052\060\050\006\003\125\004\003\023\041\111\144
\145\156\124\162\165\163\164\040\120\165\142\154\151\143\040\123
\145\143\164\157\162\040\122\157\157\164\040\103\101\040\061
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\012\001\102\200\000\000\001\105\043\317\106\174\000\000
\000\002
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "Entrust Root Certification Authority - G2"
#
# Issuer: CN=Entrust Root Certification Authority
- G2,OU="(c) 2009 Entrust, Inc. - for authorized use only",OU=See www.entrust.net/legal-terms,O="Entrust,
Inc.",C=US

```

```
# Serial Number: 1246989352 (0x4a538c28)
# Subject: CN=Entrust Root Certification Authority - G2,OU="(c) 2009 Entrust, Inc. - for authorized use
only",OU=See www.entrust.net/legal-terms,O="Entrust, Inc.",C=US
# Not Valid Before: Tue Jul 07 17:25:54 2009
# Not Valid After : Sat Dec 07 17:55:54 2030
# Fingerprint (SHA-256):
43:DF:57:74:B0:3E:7F:EF:5F:E4:0D:93:1A:7B:ED:F1:BB:2E:6B:42:73:8C:4E:6D:38:41:10:3D:3A:A7:F3:39
# Fingerprint (SHA1): 8C:F4:27:FD:79:0C:3A:D1:66:06:8D:E8:1E:57:EF:BB:93:22:72:D4
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Entrust Root Certification Authority - G2"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\276\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\026\060\024\006\003\125\004\012\023\015\105\156\164\162\165
\163\164\054\040\111\156\143\056\061\050\060\046\006\003\125\004
\013\023\037\123\145\145\040\167\167\167\056\145\156\164\162\165
\163\164\056\156\145\164\057\154\145\147\141\154\055\164\145\162
\155\163\061\071\060\067\006\003\125\004\013\023\060\050\143\051
\040\062\060\060\071\040\105\156\164\162\165\163\164\054\040\111
\156\143\056\040\055\040\146\157\162\040\141\165\164\150\157\162
\151\172\145\144\040\165\163\145\040\157\156\154\171\061\062\060
\060\006\003\125\004\003\023\051\105\156\164\162\165\163\164\040
\122\157\157\164\040\103\145\162\164\151\146\151\143\141\164\151
\157\156\040\101\165\164\150\157\162\151\164\171\040\055\040\107
\062
END
CKA_ID
UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\201\276\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\026\060\024\006\003\125\004\012\023\015\105\156\164\162\165
\163\164\054\040\111\156\143\056\061\050\060\046\006\003\125\004
\013\023\037\123\145\145\040\167\167\167\056\145\156\164\162\165
\163\164\056\156\145\164\057\154\145\147\141\154\055\164\145\162
\155\163\061\071\060\067\006\003\125\004\013\023\060\050\143\051
\040\062\060\060\071\040\105\156\164\162\165\163\164\054\040\111
\156\143\056\040\055\040\146\157\162\040\141\165\164\150\157\162
\151\172\145\144\040\165\163\145\040\157\156\154\171\061\062\060
\060\006\003\125\004\003\023\051\105\156\164\162\165\163\164\040
\122\157\157\164\040\103\145\162\164\151\146\151\143\141\164\151
\157\156\040\101\165\164\150\157\162\151\164\171\040\055\040\107
\062
END
CKA_SERIAL_NUMBER
```

MULTILINE_OCTAL

\002\004\112\123\214\050

END

CKA_VALUE MULTILINE_OCTAL

\060\202\004\076\060\202\003\046\240\003\002\001\002\002\004\112
\123\214\050\060\015\006\011\052\206\110\206\367\015\001\001\013
\005\000\060\201\276\061\013\060\011\006\003\125\004\006\023\002
\125\123\061\026\060\024\006\003\125\004\012\023\015\105\156\164
\162\165\163\164\054\040\111\156\143\056\061\050\060\046\006\003
\125\004\013\023\037\123\145\145\040\167\167\167\056\145\156\164
\162\165\163\164\056\156\145\164\057\154\145\147\141\154\055\164
\145\162\155\163\061\071\060\067\006\003\125\004\013\023\060\050
\143\051\040\062\060\060\071\040\105\156\164\162\165\163\164\054
\040\111\156\143\056\040\055\040\146\157\162\040\141\165\164\150
\157\162\151\172\145\144\040\165\163\145\040\157\156\154\171\061
\062\060\060\006\003\125\004\003\023\051\105\156\164\162\165\163
\164\040\122\157\157\164\040\103\145\162\164\151\146\151\143\141
\164\151\157\156\040\101\165\164\150\157\162\151\164\171\040\055
\040\107\062\060\036\027\015\060\071\060\067\060\067\061\067\062
\065\065\064\132\027\015\063\060\061\062\060\067\061\067\065\065
\065\064\132\060\201\276\061\013\060\011\006\003\125\004\006\023
\002\125\123\061\026\060\024\006\003\125\004\012\023\015\105\156
\164\162\165\163\164\054\040\111\156\143\056\061\050\060\046\006
\003\125\004\013\023\037\123\145\145\040\167\167\167\056\145\156
\164\162\165\163\164\056\156\145\164\057\154\145\147\141\154\055
\164\145\162\155\163\061\071\060\067\006\003\125\004\013\023\060
\050\143\051\040\062\060\060\071\040\105\156\164\162\165\163\164
\054\040\111\156\143\056\040\055\040\146\157\162\040\141\165\164
\150\157\162\151\172\145\144\040\165\163\145\040\157\156\154\171
\061\062\060\060\006\003\125\004\003\023\051\105\156\164\162\165
\163\164\040\122\157\157\164\040\103\145\162\164\151\146\151\143
\141\164\151\157\156\040\101\165\164\150\157\162\151\164\171\040
\055\040\107\062\060\202\001\042\060\015\006\011\052\206\110\206
\367\015\001\001\001\005\000\003\202\001\017\000\060\202\001\012
\002\202\001\001\000\272\204\266\162\333\236\014\153\342\231\351
\060\001\247\166\352\062\270\225\101\032\311\332\141\116\130\162
\317\376\366\202\171\277\163\141\006\012\245\047\330\263\137\323
\105\116\034\162\326\116\062\362\162\212\017\367\203\031\320\152
\200\200\000\105\036\260\307\347\232\277\022\127\047\034\243\150
\057\012\207\275\152\153\016\136\145\363\034\167\325\324\205\215
\160\041\264\263\062\347\213\242\325\206\071\002\261\270\322\107
\316\344\311\111\304\073\247\336\373\124\175\127\276\360\350\156
\302\171\262\072\013\125\342\120\230\026\062\023\134\057\170\126
\301\302\224\263\362\132\344\047\232\237\044\327\306\354\320\233
\045\202\343\314\302\304\105\305\214\227\172\006\153\052\021\237
\251\012\156\110\073\157\333\324\021\031\102\367\217\007\277\365
\123\137\234\076\364\027\054\346\151\254\116\062\114\142\167\352
\267\350\345\273\064\274\031\213\256\234\121\347\267\176\265\123

\261\063\042\345\155\317\160\074\032\372\342\233\147\266\203\364
\215\245\257\142\114\115\340\130\254\144\064\022\003\370\266\215
\224\143\044\244\161\002\003\001\000\001\243\102\060\100\060\016
\006\003\125\035\017\001\001\377\004\004\003\002\001\006\060\017
\006\003\125\035\023\001\001\377\004\005\060\003\001\001\377\060
\035\006\003\125\035\016\004\026\004\024\152\162\046\172\320\036
\357\175\347\073\151\121\324\154\215\237\220\022\146\253\060\015
\006\011\052\206\110\206\367\015\001\001\013\005\000\003\202\001
\001\000\171\237\035\226\306\266\171\077\042\215\207\323\207\003
\004\140\152\153\232\056\131\211\163\021\254\103\321\365\023\377
\215\071\053\300\362\275\117\160\214\251\057\352\027\304\013\124
\236\324\033\226\230\063\074\250\255\142\242\000\166\253\131\151
\156\006\035\176\304\271\104\215\230\257\022\324\141\333\012\031
\106\107\363\353\367\143\301\100\005\100\245\322\267\364\265\232
\066\277\251\210\166\210\004\125\004\053\234\207\177\032\067\074
\176\055\245\032\330\324\211\136\312\275\254\075\154\330\155\257
\325\363\166\017\315\073\210\070\042\235\154\223\232\304\075\277
\202\033\145\077\246\017\135\252\374\345\262\025\312\265\255\306
\274\075\320\204\350\352\006\162\260\115\071\062\170\277\076\021
\234\013\244\235\232\041\363\360\233\013\060\170\333\301\334\207
\103\376\274\143\232\312\305\302\034\311\307\215\377\073\022\130
\010\346\266\075\354\172\054\116\373\203\226\316\014\074\151\207
\124\163\244\163\302\223\377\121\020\254\025\124\001\330\374\005
\261\211\241\177\164\203\232\111\327\334\116\173\212\110\157\213
\105\366

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "Entrust Root Certification Authority - G2"

Issuer: CN=Entrust Root Certification Authority - G2,OU="(c) 2009 Entrust, Inc. - for authorized use only",OU=See www.entrust.net/legal-terms,O="Entrust, Inc.",C=US

Serial Number: 1246989352 (0x4a538c28)

Subject: CN=Entrust Root Certification Authority - G2,OU="(c) 2009 Entrust, Inc. - for authorized use only",OU=See www.entrust.net/legal-terms,O="Entrust, Inc.",C=US

Not Valid Before: Tue Jul 07 17:25:54 2009

Not Valid After : Sat Dec 07 17:55:54 2030

Fingerprint (SHA-256):

43:DF:57:74:B0:3E:7F:EF:5F:E4:0D:93:1A:7B:ED:F1:BB:2E:6B:42:73:8C:4E:6D:38:41:10:3D:3A:A7:F3:39

Fingerprint (SHA1): 8C:F4:27:FD:79:0C:3A:D1:66:06:8D:E8:1E:57:EF:BB:93:22:72:D4

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE

CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "Entrust Root Certification Authority - G2"

```

CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\214\364\047\375\171\014\072\321\146\006\215\350\036\127\357\273
\223\042\162\324
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\113\342\311\221\226\145\014\364\016\132\223\222\240\012\376\262
END
CKA_ISSUER MULTILINE_OCTAL
\060\201\276\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\026\060\024\006\003\125\004\012\023\015\105\156\164\162\165
\163\164\054\040\111\156\143\056\061\050\060\046\006\003\125\004
\013\023\037\123\145\145\040\167\167\167\056\145\156\164\162\165
\163\164\056\156\145\164\057\154\145\147\141\154\055\164\145\162
\155\163\061\071\060\067\006\003\125\004\013\023\060\050\143\051
\040\062\060\060\071\040\105\156\164\162\165\163\164\054\040\111
\156\143\056\040\055\040\146\157\162\040\141\165\164\150\157\162
\151\172\145\144\040\165\163\145\040\157\156\154\171\061\062\060
\060\006\003\125\004\003\023\051\105\156\164\162\165\163\164\040
\122\157\157\164\040\103\145\162\164\151\146\151\143\141\164\151
\157\156\040\101\165\164\150\157\162\151\164\171\040\055\040\107
\062
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\004\112\123\214\050
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "Entrust Root Certification Authority - EC1"
#
# Issuer: CN=Entrust Root Certification Authority - EC1,OU="(c) 2012 Entrust, Inc. - for authorized use
only",OU=See www.entrust.net/legal-terms,O="Entrust, Inc.",C=US
# Serial Number:00:a6:8b:79:29:00:00:00:00:50:d0:91:f9
# Subject: CN=Entrust Root Certification Authority - EC1,OU="(c) 2012 Entrust, Inc. - for authorized use
only",OU=See www.entrust.net/legal-terms,O="Entrust, Inc.",C=US
# Not Valid Before: Tue Dec 18 15:25:36 2012
# Not Valid After : Fri Dec 18 15:55:36 2037
# Fingerprint (SHA-256):
02:ED:0E:B2:8C:14:DA:45:16:5C:56:67:91:70:0D:64:51:D7:FB:56:F0:B2:AB:1D:3B:8E:B0:70:E5:6E:DF:F5
#
Fingerprint (SHA1): 20:D8:06:40:DF:9B:25:F5:12:25:3A:11:EA:F7:59:8A:EB:14:B5:47
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE

```



```
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Entrust Root Certification Authority - EC1"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\277\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\026\060\024\006\003\125\004\012\023\015\105\156\164\162\165
\163\164\054\040\111\156\143\056\061\050\060\046\006\003\125\004
\013\023\037\123\145\145\040\167\167\167\056\145\156\164\162\165
\163\164\056\156\145\164\057\154\145\147\141\154\055\164\145\162
\155\163\061\071\060\067\006\003\125\004\013\023\060\050\143\051
\040\062\060\061\062\040\105\156\164\162\165\163\164\054\040\111
\156\143\056\040\055\040\146\157\162\040\141\165\164\150\157\162
\151\172\145\144\040\165\163\145\040\157\156\154\171\061\063\060
\061\006\003\125\004\003\023\052\105\156\164\162\165\163\164\040
\122\157\157\164\040\103\145\162\164\151\146\151\143\141\164\151
\157\156\040\101\165\164\150\157\162\151\164\171\040\055\040\105
\103\061
```

END

CKA_ID

UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

```
\060\201\277\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\026\060\024\006\003\125\004\012\023\015\105\156\164\162\165
\163\164\054\040\111\156\143\056\061\050\060\046\006\003\125\004
\013\023\037\123\145\145\040\167\167\167\056\145\156\164\162\165
\163\164\056\156\145\164\057\154\145\147\141\154\055\164\145\162
\155\163\061\071\060\067\006\003\125\004\013\023\060\050\143\051
\040\062\060\061\062\040\105\156\164\162\165\163\164\054\040\111
\156\143\056\040\055\040\146\157\162\040\141\165\164\150\157\162
\151\172\145\144\040\165\163\145\040\157\156\154\171\061\063\060
\061\006\003\125\004\003\023\052\105\156\164\162\165\163\164\040
\122\157\157\164\040\103\145\162\164\151\146\151\143\141\164\151
\157\156\040\101\165\164\150\157\162\151\164\171\040\055\040\105
\103\061
```

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

```
\002\015\000\246\213\171\051\000\000\000\000\120\320\221\371
```

END

CKA_VALUE MULTILINE_OCTAL

```
\060\202\002\371\060\202\002\200\240\003\002\001\002\002\015\000
\246\213\171\051\000\000\000\000\120\320\221\371\060\012\006\010
\052\206\110\316\075\004\003\003\060\201\277\061\013\060\011\006
\003\125\004\006\023\002\125\123\061\026\060\024\006\003\125\004
\012\023\015\105\156\164\162\165\163\164\054\040\111\156\143\056
\061\050\060\046\006\003\125\004\013\023\037\123\145\145\040\167
\167\167\056\145\156\164\162\165\163\164\056\156\145\164\057\154
\145\147\141\154\055\164\145\162\155\163\061\071\060\067\006\003
```

\125\004\013\023\060\050\143\051\040\062\060\061\062\040\105\156
\164\162\165\163\164\054\040\111\156\143\056\040\055\040\146\157
\162\040\141\165\164\150\157\162\151\172\145\144\040\165\163\145
\040\157\156\154\171\061\063\060\061\006\003\125\004\003\023\052
\105\156\164\162\165\163\164\040\122\157\157\164\040\103\145\162
\164\151\146\151\143\141\164\151\157\156\040\101\165\164\150\157
\162\151\164\171\040\055\040\105\103\061\060\036\027\015\061\062
\061\062\061\070\061\065\062\065\063\066\132\027\015\063\067\061
\062\061\070\061\065\065\065\063\066\132\060\201\277\061\013\060
\011\006\003\125\004\006\023\002\125\123\061\026\060\024\006\003
\125\004\012\023\015\105\156\164\162\165\163\164\054\040\111\156
\143\056\061\050\060\046\006\003\125\004\013\023\037\123\145\145
\040\167\167\167\056\145\156\164\162\165\163\164\056\156\145\164
\057\154\145\147\141\154\055\164\145\162\155\163\061\071\060\067
\006\003\125\004\013\023\060\050\143\051\040\062\060\061\062\040
\105\156\164\162\165\163\164\054\040\111\156\143\056\040\055\040
\146\157\162\040\141\165\164\150\157\162\151\172\145\144\040\165
\163\145\040\157\156\154\171\061\063\060\061\006\003\125\004\003
\023\052\105\156\164\162\165\163\164\040\122\157\157\164\040\103
\145\162\164\151\146\151\143\141\164\151\157\156\040\101\165\164
\150\157\162\151\164\171\040\055\040\105\103\061\060\166\060\020
\006\007\052\206\110\316\075\002\001\006\005\053\201\004\000\042
\003\142\000\004\204\023\311\320\272\155\101\173\342\154\320\353
\125\137\146\002\032\044\364\133\211\151\107\343\270\302\175\361
\362\002\305\237\240\366\133\325\213\006\031\206\117\123\020\155
\007\044\047\241\240\370\325\107\031\141\114\175\312\223\047\352
\164\014\357\157\226\011\376\143\354\160\135\066\255\147\167\256
\311\235\174\125\104\072\242\143\121\037\365\343\142\324\251\107
\007\076\314\040\243\102\060\100\060\016\006\003\125\035\017\001
\001\377\004\004\003\002\001\006\060\017\006\003\125\035\023\001
\001\377\004\005\060\003\001\001\377\060\035\006\003\125\035\016
\004\026\004\024\267\143\347\032\335\215\351\010\246\125\203\244
\340\152\120\101\145\021\102\111\060\012\006\010\052\206\110\316
\075\004\003\003\003\147\000\060\144\002\060\141\171\330\345\102
\107\337\034\256\123\231\027\266\157\034\175\341\277\021\224\321
\003\210\165\344\215\211\244\212\167\106\336\155\141\357\002\365
\373\265\337\314\376\116\377\376\251\346\247\002\060\133\231\327
\205\067\006\265\173\010\375\353\047\213\112\224\371\341\372\247
\216\046\010\350\174\222\150\155\163\330\157\046\254\041\002\270
\231\267\046\101\133\045\140\256\320\110\032\356\006

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "Entrust Root Certification Authority - EC1"

Issuer: CN=Entrust Root Certification Authority - EC1,OU="(c) 2012 Entrust, Inc. - for authorized use

```

only",OU=See www.entrust.net/legal-terms,O="Entrust, Inc.",C=US
# Serial Number:00:a6:8b:79:29:00:00:00:50:d0:91:f9
# Subject: CN=Entrust Root Certification Authority - EC1,OU="(c) 2012 Entrust, Inc. - for authorized use
only",OU=See www.entrust.net/legal-terms,O="Entrust, Inc.",C=US
# Not Valid Before: Tue Dec 18 15:25:36 2012
# Not Valid After : Fri Dec 18 15:55:36 2037
# Fingerprint (SHA-256):
02:ED:0E:B2:8C:14:DA:45:16:5C:56:67:91:70:0D:64:51:D7:FB:56:F0:B2:AB:1D:3B:8E:B0:70:E5:6E:DF:F5
# Fingerprint (SHA1): 20:D8:06:40:DF:9B:25:F5:12:25:3A:11:EA:F7:59:8A:EB:14:B5:47
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Entrust Root Certification Authority - EC1"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\040\330\006\100\337\233\045\365\022\045\072\021\352\367\131\212
\353\024\265\107
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\266\176\035\360\130\305\111\154\044\073\075\355\230\030\355\274
END
CKA_ISSUER MULTILINE_OCTAL
\060\201\277\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\026\060\024\006\003\125\004\012\023\015\105\156\164\162\165
\163\164\054\040\111\156\143\056\061\050\060\046\006\003\125\004
\013\023\037\123\145\145\040\167\167\167\056\145\156\164\162\165
\163\164\056\156\145\164\057\154\145\147\141\154\055\164\145\162
\155\163\061\071\060\067\006\003\125\004\013\023\060\050\143\051
\040\062\060\061\062\040\105\156\164\162\165\163\164\054\040\111
\156\143\056\040\055\040\146\157\162\040\141\165\164\150\157\162
\151\172\145\144\040\165\163\145\040\157\156\154\171\061\063\060
\061\006\003\125\004\003\023\052\105\156\164\162\165\163\164\040
\122\157\157\164\040\103\145\162\164\151\146\151\143\141\164\151
\157\156\040\101\165\164\150\157\162\151\164\171\040\055\040\105
\103\061
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\015\000\246\213\171\051\000\000\000\000\120\320\221\371
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "CFCA EV ROOT"
#

```

```
# Issuer: CN=CFCA EV ROOT,O=China Financial Certification Authority,C=CN
# Serial Number: 407555286 (0x184acd6)
# Subject: CN=CFCA EV ROOT,O=China Financial Certification Authority,C=CN
# Not Valid Before: Wed Aug 08 03:07:01 2012
#
Not Valid After : Mon Dec 31 03:07:01 2029
# Fingerprint (SHA-256):
5C:C3:D7:8E:4E:1D:5E:45:54:7A:04:E6:87:3E:64:F9:0C:F9:53:6D:1C:CC:2E:F8:00:F3:55:C4:C5:FD:70:FD
# Fingerprint (SHA1): E2:B8:29:4B:55:84:AB:6B:58:C2:90:46:6C:AC:3F:B8:39:8F:84:83
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "CFCA EV ROOT"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\126\061\013\060\011\006\003\125\004\006\023\002\103\116\061
\060\060\056\006\003\125\004\012\014\047\103\150\151\156\141\040
\106\151\156\141\156\143\151\141\154\040\103\145\162\164\151\146
\151\143\141\164\151\157\156\040\101\165\164\150\157\162\151\164
\171\061\025\060\023\006\003\125\004\003\014\014\103\106\103\101
\040\105\126\040\122\117\117\124
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\126\061\013\060\011\006\003\125\004\006\023\002\103\116\061
\060\060\056\006\003\125\004\012\014\047\103\150\151\156\141\040
\106\151\156\141\156\143\151\141\154\040\103\145\162\164\151\146
\151\143\141\164\151\157\156\040\101\165\164\150\157\162\151\164
\171\061\025\060\023\006\003\125\004\003\014\014\103\106\103\101
\040\105\126\040\122\117\117\124
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\004\030\112\314\326
END
CKA_VALUE MULTILINE_OCTAL
\060\202\005\215\060\202\003\165\240\003\002\001\002\002\004\030
\112\314\326\060\015\006\011\052\206\110\206\367\015\001\001\013
\005\000\060\126\061\013\060\011\006\003\125\004\006\023\002\103
\116\061\060\060\056\006\003\125\004\012\014\047\103\150\151\156
\141\040\106\151\156\141\156\143\151\141\154\040\103\145\162\164
\151\146\151\143\141\164\151\157\156\040\101\165\164\150\157\162
\151\164\171\061\025\060\023\006\003\125\004\003\014\014\103\106
\103\101\040\105\126\040\122\117\117\124\060\036\027\015\061\062
\060\070\060\070\060\063\060\067\060\061\132\027\015\062\071\061
\062\063\061\060\063\060\067\060\061\132\060\126\061\013\060\011
\006\003\125\004\006\023\002\103\116\061\060\060\056\006\003\125
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\004\012\014\047\103\150\151\156\141\040\106\151\156\141\156\143
\151\141\154\040\103\145\162\164\151\146\151\143\141\164\151\157
\156\040\101\165\164\150\157\162\151\164\171\061\025\060\023\006
\003\125\004\003\014\014\103\106\103\101\040\105\126\040\122\117
\117\124\060\202\002\042\060\015\006\011\052\206\110\206\367\015
\001\001\001\005\000\003\202\002\017\000\060\202\002\012\002\202
\002\001\000\327\135\153\315\020\077\037\005\131\325\005\115\067
\261\016\354\230\053\216\025\035\372\223\113\027\202\041\161\020
\122\327\121\144\160\026\302\125\151\115\216\025\155\237\277\014
\033\302\340\243\147\326\014\254\317\042\256\257\167\124\052\113
\114\212\123\122\172\303\356\056\336\263\161\045\301\351\135\075
\356\241\057\243\367\052\074\311\043\035\152\253\035\241\247\361
\363\354\240\325\104\317\025\317\162\057\035\143\227\350\231\371
\375\223\244\124\200\114\122\324\122\253\056\111\337\220\315\270
\137\276\077\336\241\312\115\040\324\045\350\204\051\123\267\261
\210\037\377\372\332\220\237\012\251\055\101\077\261\361\030\051
\356\026\131\054\064\111\032\250\006\327\250\210\322\003\162\172
\062\342\352\150\115\156\054\226\145\173\312\131\372\362\342\335
\356\060\054\373\314\106\254\304\143\353\157\177\066\053\064\163
\022\224\177\337\314\046\236\361\162\135\120\145\131\217\151\263
\207\136\062\157\303\030\212\265\225\217\260\172\067\336\132\105
\073\307\066\341\357\147\321\071\323\227\133\163\142\031\110\055
\207\034\006\373\164\230\040\111\163\360\005\322\033\261\240\243
\267\033\160\323\210\151\271\132\326\070\364\142\334\045\213\170
\277\370\350\176\270\134\311\225\117\137\247\055\271\040\153\317
\153\335\365\015\364\202\267\364\262\146\056\020\050\366\227\132
\173\226\026\217\001\031\055\154\156\177\071\130\006\144\203\001
\203\203\303\115\222\335\062\306\207\244\067\351\026\316\252\055
\150\257\012\201\145\072\160\301\233\255\115\155\124\312\052\055
\113\205\033\263\200\346\160\105\015\153\136\065\360\177\073\270
\234\344\004\160\211\022\045\223\332\012\231\042\140\152\143\140
\116\166\006\230\116\275\203\255\035\130\212\045\205\322\307\145
\036\055\216\306\337\266\306\341\177\212\004\041\025\051\164\360
\076\234\220\235\014\056\361\212\076\132\252\014\011\036\307\325
\074\243\355\227\303\036\064\372\070\371\010\016\343\300\135\053
\203\321\126\152\311\266\250\124\123\056\170\062\147\075\202\177
\164\320\373\341\266\005\140\271\160\333\216\013\371\023\130\157
\161\140\020\122\020\271\301\101\011\357\162\037\147\061\170\377
\226\005\215\002\003\001\000\001\243\143\060\141\060\037\006\003
\125\035\043\004\030\060\026\200\024\343\376\055\375\050\320\013
\265\272\266\242\304\277\006\252\005\214\223\373\057\060\017\006
\003\125\035\023\001\001\377\004\005\060\003\001\001\377\060\016
\006\003\125\035\017\001\001\377\004\004\003\002\001\006\060\035
\006\003\125\035\016\004\026\004\024\343\376\055\375\050\320\013
\265\272\266\242\304\277\006\252\005\214\223\373\057\060\015\006
\011\052\206\110\206\367\015\001\001\013\005\000\003\202\002\001
\000\045\306\272\153\353\207\313\336\202\071\226\075\360\104\247
\153\204\163\003\336\235\053\117\272\040\177\274\170\262\317\227

\260\033\234\363\327\171\056\365\110\266\322\373\027\210\346\323
\172\077\355\123\023\320\342\057\152\171\313\000\043\050\346\036
\067\127\065\211\204\302\166\117\064\066\255\147\303\316\101\006
\210\305\367\356\330\032\270\326\013\177\120\377\223\252\027\113
\214\354\355\122\140\262\244\006\352\116\353\364\153\031\375\353
\365\032\340\045\052\232\334\307\101\066\367\310\164\005\204\071
\225\071\326\013\073\244\047\372\010\330\134\036\370\004\140\122
\021\050\050\003\377\357\123\146\000\245\112\064\026\146\174\375
\011\244\256\236\147\032\157\101\013\153\006\023\233\217\206\161
\005\264\057\215\211\146\063\051\166\124\232\021\370\047\372\262
\077\221\340\316\015\033\363\060\032\255\277\042\135\033\323\277
\045\005\115\341\222\032\177\231\237\074\104\223\312\324\100\111
\154\200\207\327\004\072\303\062\122\065\016\126\370\245\335\175
\304\213\015\021\037\123\313\036\262\027\266\150\167\132\340\324
\313\310\007\256\365\072\056\216\067\267\320\001\113\103\051\167
\214\071\227\217\202\132\370\121\345\211\240\030\347\150\177\135
\012\056\373\243\107\016\075\246\043\172\306\001\307\217\310\136
\277\155\200\126\276\212\044\272\063\352\237\341\062\021\236\361
\322\117\200\366\033\100\257\070\236\021\120\171\163\022\022\315
\346\154\235\054\210\162\074\060\201\006\221\042\352\131\255\332
\031\056\042\302\215\271\214\207\340\146\274\163\043\137\041\144
\143\200\110\365\240\074\030\075\224\310\110\101\035\100\272\136
\376\376\126\071\241\310\317\136\236\031\144\106\020\332\027\221
\267\005\200\254\213\231\222\175\347\242\330\007\013\066\047\347
\110\171\140\212\303\327\023\134\370\162\100\337\112\313\317\231
\000\012\000\013\021\225\332\126\105\003\210\012\237\147\320\325
\171\261\250\215\100\155\015\302\172\100\372\363\137\144\107\222
\313\123\271\273\131\316\117\375\320\025\123\001\330\337\353\331
\346\166\357\320\043\273\073\251\171\263\325\002\051\315\211\243
\226\017\112\065\347\116\102\300\165\315\007\317\346\054\353\173
\056

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "CFCA EV ROOT"

Issuer: CN=CFCA EV ROOT,O=China Financial Certification Authority,C=CN

Serial Number: 407555286 (0x184accd6)

Subject: CN=CFCA EV ROOT,O=China Financial Certification Authority,C=CN

Not Valid Before: Wed Aug 08 03:07:01 2012

Not Valid After : Mon Dec 31 03:07:01 2029

Fingerprint (SHA-256):

5C:C3:D7:8E:4E:1D:5E:45:54:7A:04:E6:87:3E:64:F9:0C:F9:53:6D:1C:CC:2E:F8:00:F3:55:C4:C5:FD:70:FD

Fingerprint (SHA1): E2:B8:29:4B:55:84:AB:6B:58:C2:90:46:6C:AC:3F:B8:39:8F:84:83

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

```

CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "CFCA EV ROOT"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\342\270\051\113\125\204\253\153\130\302\220\106\154\254\077\270
\071\217\204\203
END
CKA_CERT_MD5_HASH
MULTILINE_OCTAL
\164\341\266\355\046\172\172\104\060\063\224\253\173\047\201\060
END
CKA_ISSUER MULTILINE_OCTAL
\060\126\061\013\060\011\006\003\125\004\006\023\002\103\116\061
\060\060\056\006\003\125\004\012\014\047\103\150\151\156\141\040
\106\151\156\141\156\143\151\141\154\040\103\145\162\164\151\146
\151\143\141\164\151\157\156\040\101\165\164\150\157\162\151\164
\171\061\025\060\023\006\003\125\004\003\014\014\103\106\103\101
\040\105\126\040\122\117\117\124
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\004\030\112\314\326
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "OISTE WISeKey Global Root GB CA"
#
# Issuer: CN=OISTE WISeKey Global Root GB CA,OU=OISTE Foundation Endorsed,O=WISeKey,C=CH
# Serial Number:76:b1:20:52:74:f0:85:87:46:b3:f8:23:1a:f6:c2:c0
#
Subject: CN=OISTE WISeKey Global Root GB CA,OU=OISTE Foundation Endorsed,O=WISeKey,C=CH
# Not Valid Before: Mon Dec 01 15:00:32 2014
# Not Valid After : Thu Dec 01 15:10:31 2039
# Fingerprint (SHA-256):
6B:9C:08:E8:6E:B0:F7:67:CF:AD:65:CD:98:B6:21:49:E5:49:4A:67:F5:84:5E:7B:D1:ED:01:9F:27:B8:6B:D6
# Fingerprint (SHA1): 0F:F9:40:76:18:D3:D7:6A:4B:98:F0:A8:35:9E:0C:FD:27:AC:CC:ED
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "OISTE WISeKey Global Root GB CA"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\155\061\013\060\011\006\003\125\004\006\023\002\103\110\061
\020\060\016\006\003\125\004\012\023\007\127\111\123\145\113\145

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\171\061\042\060\040\006\003\125\004\013\023\031\117\111\123\124
\105\040\106\157\165\156\144\141\164\151\157\156\040\105\156\144
\157\162\163\145\144\061\050\060\046\006\003\125\004\003\023\037
\117\111\123\124\105\040\127\111\123\145\113\145\171\040\107\154
\157\142\141\154\040\122\157\157\164\040\107\102\040\103\101

END

CKA_ID

UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

\060\155\061\013\060\011\006\003\125\004\006\023\002\103\110\061
\020\060\016\006\003\125\004\012\023\007\127\111\123\145\113\145
\171\061\042\060\040\006\003\125\004\013\023\031\117\111\123\124
\105\040\106\157\165\156\144\141\164\151\157\156\040\105\156\144
\157\162\163\145\144\061\050\060\046\006\003\125\004\003\023\037
\117\111\123\124\105\040\127\111\123\145\113\145\171\040\107\154
\157\142\141\154\040\122\157\157\164\040\107\102\040\103\101

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\002\020\166\261\040\122\164\360\205\207\106\263\370\043\032\366
\302\300

END

CKA_VALUE MULTILINE_OCTAL

\060\202\003\265\060\202\002\235\240\003\002\001\002\002\020\166
\261\040\122\164\360\205\207\106\263\370\043\032\366\302\300\060
\015\006\011\052\206\110\206\367\015\001\001\013\005\000\060\155
\061\013\060\011\006\003\125\004\006\023\002\103\110\061\020\060
\016\006\003\125\004\012\023\007\127\111\123\145\113\145\171\061
\042\060\040\006\003\125\004\013\023\031\117\111\123\124\105\040
\106\157\165\156\144\141\164\151\157\156\040\105\156\144\157\162
\163\145\144\061\050\060\046\006\003\125\004\003\023\037\117\111
\123\124\105\040\127\111\123\145\113\145\171\040\107\154\157\142
\141\154\040\122\157\157\164\040\107\102\040\103\101\060\036\027
\015\061\064\061\062\060\061\061\065\060\060\063\062\132\027\015
\063\071\061\062\060\061\061\065\061\060\063\061\132\060\155\061
\013\060\011\006\003\125\004\006\023\002\103\110\061\020\060\016
\006\003\125\004\012\023\007\127\111\123\145\113\145\171\061\042
\060\040\006\003\125\004\013\023\031\117\111\123\124\105\040\106
\157\165\156\144\141\164\151\157\156\040\105\156\144\157\162\163
\145\144\061\050\060\046\006\003\125\004\003\023\037\117\111\123
\124\105\040\127\111\123\145\113\145\171\040\107\154\157\142\141
\154\040\122\157\157\164\040\107\102\040\103\101\060\202\001\042
\060\015\006\011\052\206\110\206\367\015\001\001\001\005\000\003
\202\001\017\000\060\202\001\012\002\202\001\001\000\330\027\267
\034\112\044\052\326\227\261\312\342\036\373\175\070\357\230\365
\262\071\230\116\047\270\021\135\173\322\045\224\210\202\025\046
\152\033\061\273\250\133\041\041\053\330\017\116\237\132\361\261
\132\344\171\326\062\043\053\341\123\314\231\105\134\173\117\255
\274\277\207\112\013\113\227\132\250\366\110\354\175\173\015\315

\041\006\337\236\025\375\101\212\110\267\040\364\241\172\033\127
\324\135\120\377\272\147\330\043\231\037\310\077\343\336\377\157
\133\167\261\153\156\270\311\144\367\341\312\101\106\016\051\161
\320\271\043\374\311\201\137\116\367\157\337\277\204\255\163\144
\273\267\102\216\151\366\324\166\035\176\235\247\270\127\212\121
\147\162\327\324\250\270\225\124\100\163\003\366\352\364\353\376
\050\102\167\077\235\043\033\262\266\075\200\024\007\114\056\117
\367\325\012\026\015\275\146\103\067\176\043\103\171\303\100\206
\365\114\051\332\216\232\255\015\245\004\207\210\036\205\343\351
\123\325\233\310\213\003\143\170\353\340\031\112\156\273\057\153
\063\144\130\223\255\151\277\217\033\357\202\110\307\002\003\001
\000\001\243\121\060\117\060\013\006\003\125\035\017\004\004\003
\002\001\206\060\017\006\003\125\035\023\001\001\377\004\005\060
\003\001\001\377\060\035\006\003\125\035\016\004\026\004\024\065
\017\310\066\143\136\342\243\354\371\073\146\025\316\121\122\343
\221\232\075\060\020\006\011\053\006\001\004\001\202\067\025\001
\004\003\002\001\000\060\015\006\011\052\206\110\206\367\015\001
\001\013\005\000\003\202\001\001\000\100\114\373\207\262\231\201
\220\176\235\305\260\260\046\315\210\173\053\062\215\156\270\041
\161\130\227\175\256\067\024\257\076\347\367\232\342\175\366\161
\230\231\004\252\103\164\170\243\343\111\141\076\163\214\115\224
\340\371\161\304\266\026\016\123\170\037\326\242\207\057\002\071
\201\051\074\257\025\230\041\060\376\050\220\000\214\321\341\313
\372\136\310\375\370\020\106\073\242\170\102\221\027\164\125\012
\336\120\147\115\146\321\247\377\375\331\300\265\250\243\212\316
\146\365\017\103\315\247\053\127\173\143\106\152\252\056\122\330
\364\355\341\155\255\051\220\170\110\272\341\043\252\243\211\354
\265\253\226\300\264\113\242\035\227\236\172\362\156\100\161\337
\150\361\145\115\316\174\005\337\123\145\251\245\360\261\227\004
\160\025\106\003\230\324\322\277\124\264\240\130\175\122\157\332
\126\046\142\324\330\333\211\061\157\034\360\042\302\323\142\034
\065\315\114\151\025\124\032\220\230\336\353\036\137\312\167\307
\313\216\075\103\151\234\232\130\320\044\073\337\033\100\226\176
\065\255\201\307\116\161\272\210\023

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "OISTE WISeKey Global Root GB CA"

Issuer: CN=OISTE WISeKey Global Root GB CA,OU=OISTE Foundation Endorsed,O=WISeKey,C=CH

Serial Number:76:b1:20:52:74:f0:85:87:46:b3:f8:23:1a:f6:c2:c0

Subject:

CN=OISTE WISeKey Global Root GB CA,OU=OISTE Foundation Endorsed,O=WISeKey,C=CH

Not Valid Before: Mon Dec 01 15:00:32 2014

Not Valid After : Thu Dec 01 15:10:31 2039

Fingerprint (SHA-256):

```

6B:9C:08:E8:6E:B0:F7:67:CF:AD:65:CD:98:B6:21:49:E5:49:4A:67:F5:84:5E:7B:D1:ED:01:9F:27:B8:6B:D6
# Fingerprint (SHA1): 0F:F9:40:76:18:D3:D7:6A:4B:98:F0:A8:35:9E:0C:FD:27:AC:CC:ED
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "OISTE WISeKey Global Root GB CA"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\017\371\100\166\030\323\327\152\113\230\360\250\065\236\014\375
\047\254\314\355
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\244\353\271\141\050\056\267\057\230\260\065\046\220\231\121\035
END
CKA_ISSUER MULTILINE_OCTAL
\060\155\061\013\060\011\006\003\125\004\006\023\002\103\110\061
\020\060\016\006\003\125\004\012\023\007\127\111\123\145\113\145
\171\061\042\060\040\006\003\125\004\013\023\031\117\111\123\124
\105\040\106\157\165\156\144\141\164\151\157\156\040\105\156\144
\157\162\163\145\144\061\050\060\046\006\003\125\004\003\023\037
\117\111\123\124\105\040\127\111\123\145\113\145\171\040\107\154
\157\142\141\154\040\122\157\157\164\040\107\102\040\103\101
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\020\166\261\040\122\164\360\205\207\106\263\370\043\032\366
\302\300
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "SZAFIR ROOT CA2"
#
# Issuer: CN=SZAFIR ROOT CA2,O=Krajowa Izba Rozliczeniowa S.A.,C=PL
# Serial Number:3e:8a:5d:07:ec:55:d2:32:d5:b7:e3:b6:5f:01:eb:2d:dc:e4:d6:e4
# Subject: CN=SZAFIR ROOT CA2,O=Krajowa Izba Rozliczeniowa S.A.,C=PL
# Not Valid Before: Mon Oct 19 07:43:30 2015
# Not Valid After : Fri Oct 19 07:43:30 2035
# Fingerprint (SHA-256):
A1:33:9D:33:28:1A:0B:56:E5:57:D3:D3:2B:1C:E7:F9:36:7E:B0:94:BD:5F:A7:2A:7E:50:04:C8:DE:D7:CA:FE
#
Fingerprint (SHA1): E2:52:FA:95:3F:ED:DB:24:60:BD:6E:28:F3:9C:CC:CF:5E:B3:3F:DE
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE

```

```
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "SZAFIR ROOT CA2"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\121\061\013\060\011\006\003\125\004\006\023\002\120\114\061
\050\060\046\006\003\125\004\012\014\037\113\162\141\152\157\167
\141\040\111\172\142\141\040\122\157\172\154\151\143\172\145\156
\151\157\167\141\040\123\056\101\056\061\030\060\026\006\003\125
\004\003\014\017\123\132\101\106\111\122\040\122\117\117\124\040
\103\101\062
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\121\061\013\060\011\006\003\125\004\006\023\002\120\114\061
\050\060\046\006\003\125\004\012\014\037\113\162\141\152\157\167
\141\040\111\172\142\141\040\122\157\172\154\151\143\172\145\156
\151\157\167\141\040\123\056\101\056\061\030\060\026\006\003\125
\004\003\014\017\123\132\101\106\111\122\040\122\117\117\124\040
\103\101\062
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\024\076\212\135\007\354\125\322\062\325\267\343\266\137\001
\353\055\334\344\326\344
END
CKA_VALUE MULTILINE_OCTAL
\060\202\003\162\060\202\002\132\240\003\002\001\002\002\024\076
\212\135\007\354\125\322\062\325\267\343\266\137\001\353\055\334
\344\326\344\060\015\006\011\052\206\110\206\367\015\001\001\013
\005\000\060\121\061\013\060\011\006\003\125\004\006\023\002\120
\114\061\050\060\046\006\003\125\004\012\014\037\113\162\141\152
\157\167\141\040\111\172\142\141\040\122\157\172\154\151\143\172
\145\156\151\157\167\141\040\123\056\101\056\061\030\060\026\006
\003\125\004\003\014\017\123\132\101\106\111\122\040\122\117\117
\124\040\103\101\062\060\036\027\015\061\065\061\060\061\071\060
\067\064\063\063\060\132\027\015\063\065\061\060\061\071\060\067
\064\063\063\060\132\060\121\061\013\060\011\006\003\125\004\006
\023\002\120\114\061\050\060\046\006\003\125\004\012\014\037\113
\162\141\152\157\167\141\040\111\172\142\141\040\122\157\172\154
\151\143\172\145\156\151\157\167\141\040\123\056\101\056\061\030
\060\026\006\003\125\004\003\014\017\123\132\101\106\111\122\040
\122\117\117\124\040\103\101\062\060\202\001\042\060\015\006\011
\052\206\110\206\367\015\001\001\001\005\000\003\202\001\017\000
\060\202\001\012\002\202\001\001\000\267\274\076\120\250\113\315
\100\265\316\141\347\226\312\264\241\332\014\042\260\372\265\173
\166\000\167\214\013\317\175\250\206\314\046\121\344\040\075\205
\014\326\130\343\347\364\052\030\235\332\321\256\046\356\353\123
\334\364\220\326\023\112\014\220\074\303\364\332\322\216\015\222
```

\072\334\261\261\377\070\336\303\272\055\137\200\271\002\275\112
\235\033\017\264\303\302\301\147\003\335\334\033\234\075\263\260
\336\000\036\250\064\107\273\232\353\376\013\024\275\066\204\332
\015\040\277\372\133\313\251\026\040\255\071\140\356\057\165\266
\347\227\234\371\076\375\176\115\157\115\057\357\210\015\152\372
\335\361\075\156\040\245\240\022\264\115\160\271\316\327\162\073
\211\223\247\200\204\034\047\111\162\111\265\377\073\225\236\301
\314\310\001\354\350\016\212\012\226\347\263\246\207\345\326\371
\005\053\015\227\100\160\074\272\254\165\132\234\325\115\235\002
\012\322\113\233\146\113\106\007\027\145\255\237\154\210\000\334
\042\211\340\341\144\324\147\274\061\171\141\074\273\312\101\315
\134\152\000\310\074\070\216\130\257\002\003\001\000\001\243\102
\060\100\060\017\006\003\125\035\023\001\001\377\004\005\060\003
\001\001\377\060\016\006\003\125\035\017\001\001\377\004\004\003
\002\001\006\060\035\006\003\125\035\016\004\026\004\024\056\026
\251\112\030\265\313\314\365\157\120\363\043\137\370\135\347\254
\360\310\060\015\006\011\052\206\110\206\367\015\001\001\013\005
\000\003\202\001\001\000\265\163\370\003\334\131\133\035\166\351
\243\052\173\220\050\262\115\300\063\117\252\232\261\324\270\344
\047\377\251\226\231\316\106\340\155\174\114\242\070\244\006\160
\360\364\101\021\354\077\107\215\077\162\207\371\073\375\244\157
\053\123\000\340\377\071\271\152\007\016\353\035\034\366\242\162
\220\313\202\075\021\202\213\322\273\237\052\257\041\346\143\206
\235\171\031\357\367\273\014\065\220\303\212\355\117\017\365\314
\022\331\244\076\273\240\374\040\225\137\117\046\057\021\043\203
\116\165\007\017\277\233\321\264\035\351\020\004\376\312\140\217
\242\114\270\255\317\341\220\017\315\256\012\307\135\173\267\120
\322\324\141\372\325\025\333\327\237\207\121\124\353\245\343\353
\311\205\240\045\040\067\373\216\316\014\064\204\341\074\201\262
\167\116\103\245\210\137\206\147\241\075\346\264\134\141\266\076
\333\376\267\050\305\242\007\256\265\312\312\215\052\022\357\227
\355\302\060\244\311\052\172\373\363\115\043\033\231\063\064\240
\056\365\251\013\077\324\135\341\317\204\237\342\031\302\137\212
\326\040\036\343\163\267

END

CKA_NSS_Mozilla_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL

CK_FALSE

Trust for "SZAFIR ROOT CA2"

Issuer: CN=SZAFIR ROOT CA2,O=Krajowa Izba Rozliczeniowa S.A.,C=PL

Serial Number:3e:8a:5d:07:ec:55:d2:32:d5:b7:e3:b6:5f:01:eb:2d:dc:e4:d6:e4

Subject: CN=SZAFIR ROOT CA2,O=Krajowa Izba Rozliczeniowa S.A.,C=PL

Not Valid Before: Mon Oct 19 07:43:30 2015

Not Valid After : Fri Oct 19 07:43:30 2035

Fingerprint (SHA-256):

```

A1:33:9D:33:28:1A:0B:56:E5:57:D3:D3:2B:1C:E7:F9:36:7E:B0:94:BD:5F:A7:2A:7E:50:04:C8:DE:D7:CA:FE
# Fingerprint (SHA1): E2:52:FA:95:3F:ED:DB:24:60:BD:6E:28:F3:9C:CC:CF:5E:B3:3F:DE
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "SZAFIR ROOT CA2"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\342\122\372\225\077\355\333\044\140\275\156\050\363\234\314\317
\136\263\077\336
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\021\144\301\211\260\044\261\214\261\007\176\211\236\121\236\231
END
CKA_ISSUER MULTILINE_OCTAL
\060\121\061\013\060\011\006\003\125\004\006\023\002\120\114\061
\050\060\046\006\003\125\004\012\014\037\113\162\141\152\157\167
\141\040\111\172\142\141\040\122\157\172\154\151\143\172\145\156
\151\157\167\141\040\123\056\101\056\061\030\060\026\006\003\125
\004\003\014\017\123\132\101\106\111\122\040\122\117\117\124\040
\103\101\062
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\024\076\212\135\007\354\125\322\062\325\267\343\266\137\001
\353\055\334\344\326\344
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "Certum Trusted Network CA 2"
#
# Issuer: CN=Certum Trusted Network CA 2,OU=Certum Certification Authority,O=Unizeto Technologies
S.A.,C=PL
# Serial Number:21:d6:d0:4a:4f:25:0f:c9:32:37:fc:aa:5e:12:8d:e9
# Subject: CN=Certum Trusted Network CA 2,OU=Certum Certification Authority,O=Unizeto Technologies
S.A.,C=PL
# Not Valid Before:
Thu Oct 06 08:39:56 2011
# Not Valid After : Sat Oct 06 08:39:56 2046
# Fingerprint (SHA-256):
B6:76:F2:ED:DA:E8:77:5C:D3:6C:B0:F6:3C:D1:D4:60:39:61:F4:9E:62:65:BA:01:3A:2F:03:07:B6:D0:B8:04
# Fingerprint (SHA1): D3:DD:48:3E:2B:BF:4C:05:E8:AF:10:F5:FA:76:26:CF:D3:DC:30:92
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE

```

```
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Certum Trusted Network CA 2"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\200\061\013\060\011\006\003\125\004\006\023\002\120\114
\061\042\060\040\006\003\125\004\012\023\031\125\156\151\172\145
\164\157\040\124\145\143\150\156\157\154\157\147\151\145\163\040
\123\056\101\056\061\047\060\045\006\003\125\004\013\023\036\103
\145\162\164\165\155\040\103\145\162\164\151\146\151\143\141\164
\151\157\156\040\101\165\164\150\157\162\151\164\171\061\044\060
\042\006\003\125\004\003\023\033\103\145\162\164\165\155\040\124
\162\165\163\164\145\144\040\116\145\164\167\157\162\153\040\103
\101\040\062
END
CKA_ID
UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\201\200\061\013\060\011\006\003\125\004\006\023\002\120\114
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\164\157\040\124\145\143\150\156\157\154\157\147\151\145\163\040
\123\056\101\056\061\047\060\045\006\003\125\004\013\023\036\103
\145\162\164\165\155\040\103\145\162\164\151\146\151\143\141\164
\151\157\156\040\101\165\164\150\157\162\151\164\171\061\044\060
\042\006\003\125\004\003\023\033\103\145\162\164\165\155\040\124
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\200\061\013\060\011\006\003\125\004\006\023\002\120\114\061\042
\060\040\006\003\125\004\012\023\031\125\156\151\172\145\164\157
\040\124\145\143\150\156\157\154\157\147\151\145\163\040\123\056
\101\056\061\047\060\045\006\003\125\004\013\023\036\103\145\162
\164\165\155\040\103\145\162\164\151\146\151\143\141\164\151\157
\156\040\101\165\164\150\157\162\151\164\171\061\044\060\042\006
\003\125\004\003\023\033\103\145\162\164\165\155\040\124\162\165
\163\164\145\144\040\116\145\164\167\157\162\153\040\103\101\040
\062\060\042\030\017\062\060\061\061\061\060\060\066\060\070\063
\071\065\066\132\030\017\062\060\064\066\061\060\060\066\060\070
\063\071\065\066\132\060\201\200\061\013\060\011\006\003\125\004
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\164\171\061\044\060\042\006\003\125\004\003\023\033\103\145\162
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\227\307\247\356\233\045\357\250\012\000\227\205\132\252\235\334
\051\311\342\065\007\353\160\115\112\326\301\263\126\270\241\101
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\033\106\276\107\060\325\056\162\321\305\143\332\347\143\171\104
\176\113\143\044\211\206\056\064\077\051\114\122\213\052\247\300
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\112\377\337\376\263\237\353\331\236\340\230\043\354\246\153\167
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\105\127\344\220\202\102\273\102\326\360\141\340\301\243\075\146
\243\135\364\030\356\210\311\215\027\105\051\231\062\165\002\061
\356\051\046\310\153\002\346\265\142\105\177\067\025\132\043\150
\211\324\076\336\116\047\260\360\100\014\274\115\027\313\115\242
\263\036\320\006\132\335\366\223\317\127\165\231\365\372\206\032
\147\170\263\277\226\376\064\334\275\347\122\126\345\263\345\165
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\122\244\052\325\101\106\011\040\376\042\240\266\133\060\215\274
\211\014\325\327\160\370\207\122\375\332\357\254\121\056\007\263
\116\376\320\011\332\160\357\230\372\126\346\155\333\265\127\113
\334\345\054\045\025\310\236\056\170\116\370\332\234\236\206\054
\312\127\363\032\345\310\222\213\032\202\226\172\303\274\120\022
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\211\132\304\002\141\373\114\305\024\027\055\213\117\123\153\020

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\011\131\364\133\167\013\067\351\213\040\306\370\012\116\056\130
\034\353\063\320\317\206\140\311\332\373\200\057\236\114\140\204
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\051\361\043\050\162\131\266\253\302\214\146\046\034\167\054\046
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\220\003\126\221\347\257\272\107\324\022\227\021\042\343\242\111
\224\154\347\267\224\113\272\055\244\332\063\213\114\246\104\377
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\355\141\032\313\361\316\163\167\143\244\207\157\114\121\070\326
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\067\262\312\260\033\046\172\232\045\037\232\232\200\236\113\052
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\134\002\312\054\330\157\112\007\331\311\065\332\100\165\362\304
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END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

#

Trust for "Certum Trusted Network CA 2"

Issuer: CN=Certum Trusted Network CA 2,OU=Certum Certification Authority,O=Unizeto Technologies S.A.,C=PL

Serial Number:21:d6:d0:4a:4f:25:0f:c9:32:37:fc:aa:5e:12:8d:e9

Subject: CN=Certum Trusted Network CA 2,OU=Certum Certification Authority,O=Unizeto Technologies S.A.,C=PL

Not Valid Before: Thu Oct 06 08:39:56 2011

Not Valid After : Sat Oct 06 08:39:56 2046

Fingerprint (SHA-256):

B6:76:F2:ED:DA:E8:77:5C:D3:6C:B0:F6:3C:D1:D4:60:39:61:F4:9E:62:65:BA:01:3A:2F:03:07:B6:D0:B8:04


```

# Fingerprint (SHA1): D3:DD:48:3E:2B:BF:4C:05:E8:AF:10:F5:FA:76:26:CF:D3:DC:30:92
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Certum Trusted Network CA 2"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\323\335\110\076\053\277\114\005\350\257\020\365\372\166\046\317
\323\334\060\222
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\155\106\236\331\045\155\010\043\133\136\164\175\036\047\333\362
END
CKA_ISSUER
MULTILINE_OCTAL
\060\201\200\061\013\060\011\006\003\125\004\006\023\002\120\114
\061\042\060\040\006\003\125\004\012\023\031\125\156\151\172\145
\164\157\040\124\145\143\150\156\157\154\157\147\151\145\163\040
\123\056\101\056\061\047\060\045\006\003\125\004\013\023\036\103
\145\162\164\165\155\040\103\145\162\164\151\146\151\143\141\164
\151\157\156\040\101\165\164\150\157\162\151\164\171\061\044\060
\042\006\003\125\004\003\023\033\103\145\162\164\165\155\040\124
\162\165\163\164\145\144\040\116\145\164\167\157\162\153\040\103
\101\040\062
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\041\326\320\112\117\045\017\311\062\067\374\252\136\022
\215\351
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

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```

#
# Certificate "Hellenic Academic and Research Institutions RootCA 2015"
#
# Issuer: CN=Hellenic
Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert.
Authority,L=Athens,C=GR
# Serial Number: 0 (0x0)
# Subject: CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research
Institutions Cert. Authority,L=Athens,C=GR
# Not Valid Before: Tue Jul 07 10:11:21 2015
# Not Valid After : Sat Jun 30 10:11:21 2040
# Fingerprint (SHA-256):
A0:40:92:9A:02:CE:53:B4:AC:F4:F2:FF:C6:98:1C:E4:49:6F:75:5E:6D:45:FE:0B:2A:69:2B:CD:52:52:3F:36
# Fingerprint (SHA1): 01:0C:06:95:A6:98:19:14:FF:BF:5F:C6:B0:B6:95:EA:29:E9:12:A6

```

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CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Hellenic Academic and Research Institutions RootCA 2015"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
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\163\061\104\060\102\006\003\125\004\012\023\073\110\145\154\154
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\144\040\122\145\163\145\141\162\143\150\040\111\156\163\164\151
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UTF8 "0"
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\023\067\110\145\154\154\145\156\151\143\040\101\143\141\144\145
\155\151\143\040\141\156\144\040\122\145\163\145\141\162\143\150
\040\111\156\163\164\151\164\165\164\151\157\156\163\040\122\157
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MULTILINE_OCTAL
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END
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\165\164\151\157\156\163\040\103\145\162\164\056\040\101\165\164
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\164\103\101\040\062\060\061\065\060\036\027\015\061\065\060\067
\060\067\061\060\061\061\062\061\132\027\015\064\060\060\066\063
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\341\057\247\174\257\047\064\273\051\175\233\266\317\011\310\345
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\364\054\374\331\160\122\117\170\270\275\074\053\213\225\230\365
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\201\370\027\313\222\066\135\321\243\330\165\033\341\213\047\352
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\136\325\154\310\207\275\264\056\106\362\061\370\174\352\102\265
\223\026\125\334\241\014\022\240\332\141\176\017\130\130\163\144
\162\307\350\105\216\334\251\362\046\077\306\171\214\261\123\010
\063\201\260\126\023\276\346\121\134\330\233\012\117\113\234\126
\123\002\351\117\366\015\140\352\115\102\125\350\174\033\041\041
\323\033\072\314\167\362\270\220\361\150\307\371\132\376\372\055
\364\277\311\365\105\033\316\070\020\052\067\212\171\243\264\343
\011\154\205\206\223\377\211\226\047\170\201\217\147\343\106\164
\124\216\331\015\151\342\112\364\115\164\003\377\262\167\355\225
\147\227\344\261\305\253\277\152\043\350\324\224\342\104\050\142
\304\113\342\360\330\342\051\153\032\160\176\044\141\223\173\117
\003\062\045\015\105\044\053\226\264\106\152\277\112\013\367\232
\217\301\254\032\305\147\363\157\064\322\372\163\143\214\357\026
\260\250\244\106\052\370\353\022\354\162\264\357\370\053\176\214
\122\300\213\204\124\371\057\076\343\125\250\334\146\261\331\341
\137\330\263\214\131\064\131\244\253\117\154\273\037\030\333\165
\253\330\313\222\315\224\070\141\016\007\006\037\113\106\020\361
\025\276\215\205\134\073\112\053\201\171\017\264\151\237\111\120
\227\115\367\016\126\135\300\225\152\302\066\303\033\150\311\365
\052\334\107\232\276\262\316\305\045\350\372\003\271\332\371\026
\156\221\204\365\034\050\310\374\046\314\327\034\220\126\247\137
\157\072\004\274\315\170\211\013\216\017\057\243\252\117\242\033
\022\075\026\010\100\017\361\106\114\327\252\173\010\301\012\365
\155\047\336\002\217\312\303\265\053\312\351\353\310\041\123\070
\245\314\073\330\167\067\060\242\117\331\157\321\362\100\255\101
\172\027\305\326\112\065\211\267\101\325\174\206\177\125\115\203
\112\245\163\040\300\072\257\220\361\232\044\216\331\216\161\312
\173\270\206\332\262\217\231\076\035\023\015\022\021\356\324\253
\360\351\025\166\002\344\340\337\252\040\036\133\141\205\144\100
\251\220\227\015\255\123\322\132\035\207\152\000\227\145\142\264
\276\157\152\247\365\054\102\355\062\255\266\041\236\276\274

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "Hellenic Academic and Research Institutions RootCA 2015"

Issuer: CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research

```

Institutions Cert. Authority,L=Athens,C=GR
# Serial Number: 0 (0x0)
# Subject: CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research
Institutions Cert. Authority,L=Athens,C=GR
# Not Valid Before: Tue Jul 07 10:11:21 2015
# Not Valid After : Sat Jun 30 10:11:21 2040
# Fingerprint (SHA-256):
A0:40:92:9A:02:CE:53:B4:AC:F4:F2:FF:C6:98:1C:E4:49:6F:75:5E:6D:45:FE:0B:2A:69:2B:CD:52:52:3F:36
# Fingerprint (SHA1): 01:0C:06:95:A6:98:19:14:FF:BF:5F:C6:B0:B6:95:EA:29:E9:12:A6
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Hellenic Academic and Research Institutions RootCA 2015"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\001\014\006\225\246\230\031\024\377\277\137\306\260\266\225\352
\051\351\022\246
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\312\377\342\333\003\331\313\113\351\017\255\204\375\173\030\316
END
CKA_ISSUER MULTILINE_OCTAL
\060\201\246\061\013\060\011\006\003\125\004\006\023\002\107\122
\061\017\060\015\006\003\125\004\007\023\006\101\164\150\145\156
\163\061\104\060\102\006\003\125\004\012\023\073\110\145\154\154
\145\156\151\143\040\101\143\141\144\145\155\151\143\040\141\156
\144\040\122\145\163\145\141\162\143\150\040\111\156\163\164\151
\164\165\164\151\157\156\163\040\103\145\162\164\056\040\101\165
\164\150\157\162\151\164\171\061\100\060\076\006\003\125\004\003
\023\067\110\145\154\154\145\156\151\143\040\101\143\141\144\145
\155\151\143\040\141\156\144\040\122\145\163\145\141\162\143\150
\040\111\156\163\164\151\164\165\164\151\157\156\163\040\122\157
\157\164\103\101\040\062\060\061\065
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\001\000
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "Hellenic Academic and Research Institutions ECC RootCA 2015"
#
#

```

Issuer: CN=Hellenic Academic and Research Institutions ECC RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR

Serial Number: 0 (0x0)

Subject: CN=Hellenic Academic and Research Institutions ECC RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR

Not Valid Before: Tue Jul 07 10:37:12 2015

Not Valid After : Sat Jun 30 10:37:12 2040

Fingerprint (SHA-256):

44:B5:45:AA:8A:25:E6:5A:73:CA:15:DC:27:FC:36:D2:4C:1C:B9:95:3A:06:65:39:B1:15:82:DC:48:7B:48:33

Fingerprint (SHA1): 9F:F1:71:8D:92:D5:9A:F3:7D:74:97:B4:BC:6F:84:68:0B:BA:B6:66

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "Hellenic Academic and Research Institutions ECC RootCA 2015"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL

\060\201\252\061\013\060\011\006\003\125\004\006\023\002\107\122
\061\017\060\015\006\003\125\004\007\023\006\101\164\150\145\156
\163\061\104\060\102\006\003\125\004\012\023\073\110\145\154\154
\145\156\151\143\040\101\143\141\144\145\155\151\143\040\141\156
\144\040\122\145\163\145\141\162\143\150\040\111\156\163\164\151
\164\165\164\151\157\156\163\040\103\145\162\164\056\040\101\165
\164\150\157\162\151\164\171\061\104\060\102\006\003\125\004\003
\023\073\110\145\154\154\145\156\151\143\040\101\143\141\144\145
\155\151\143\040\141\156\144\040\122\145\163\145\141\162\143\150
\040\111\156\163\164\151\164\165\164\151\157\156\163\040\105\103
\103\040\122\157\157\164\103\101\040\062\060\061\065

END

CKA_ID

UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

\060\201\252\061\013\060\011\006\003\125\004\006\023\002\107\122
\061\017\060\015\006\003\125\004\007\023\006\101\164\150\145\156
\163\061\104\060\102\006\003\125\004\012\023\073\110\145\154\154
\145\156\151\143\040\101\143\141\144\145\155\151\143\040\141\156
\144\040\122\145\163\145\141\162\143\150\040\111\156\163\164\151
\164\165\164\151\157\156\163\040\103\145\162\164\056\040\101\165
\164\150\157\162\151\164\171\061\104\060\102\006\003\125\004\003
\023\073\110\145\154\154\145\156\151\143\040\101\143\141\144\145
\155\151\143\040\141\156\144\040\122\145\163\145\141\162\143\150
\040\111\156\163\164\151\164\165\164\151\157\156\163\040\105\103
\103\040\122\157\157\164\103\101\040\062\060\061\065

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

\002\001\000

END

CKA_VALUE MULTILINE_OCTAL

\060\202\002\303\060\202\002\112\240\003\002\001\002\002\001\000
\060\012\006\010\052\206\110\316\075\004\003\002\060\201\252\061
\013\060\011\006\003\125\004\006\023\002\107\122\061\017\060\015
\006\003\125\004\007\023\006\101\164\150\145\156\163\061\104\060
\102\006\003\125\004\012\023\073\110\145\154\154\145\156\151\143
\040\101\143\141\144\145\155\151\143\040\141\156\144\040\122\145
\163\145\141\162\143\150\040\111\156\163\164\151\164\165\164\151
\157\156\163\040\103\145\162\164\056\040\101\165\164\150\157\162
\151\164\171\061\104\060\102\006\003\125\004\003\023\073\110\145
\154\154\145\156\151\143\040\101\143\141\144\145\155\151\143\040
\141\156\144\040\122\145\163\145\141\162\143\150\040\111\156\163
\164\151\164\165\164\151\157\156\163\040\105\103\103\040\122\157
\157\164\103\101\040\062\060\061\065\060\036\027\015\061\065\060
\067\060\067\061\060\063\067\061\062\132\027\015\064\060\060\066
\063\060\061\060\063\067\061\062\132\060\201\252\061\013\060\011
\006\003\125\004\006\023\002\107\122\061\017\060\015\006\003\125
\004\007\023\006\101\164\150\145\156\163\061\104\060\102\006\003
\125\004\012\023\073\110\145\154\154\145\156\151\143\040\101\143
\141\144\145\155\151\143\040\141\156\144\040\122\145\163\145\141
\162\143\150\040\111\156\163\164\151\164\165\164\151\157\156\163
\040\103\145\162\164\056\040\101\165\164\150\157\162\151\164\171
\061\104\060\102\006\003\125\004\003\023\073\110\145\154\154\145
\156\151\143\040\101\143\141\144\145\155\151\143\040\141\156\144
\040\122\145\163\145\141\162\143\150\040\111\156\163\164\151\164
\165\164\151\157\156\163\040\105\103\103\040\122\157\157\164\103
\101\040\062\060\061\065\060\166\060\020\006\007\052\206\110\316
\075\002\001\006\005\053\201\004\000\042\003\142\000\004\222\240
\101\350\113\202\204\134\342\370\061\021\231\206\144\116\011\045
\057\235\101\057\012\256\065\117\164\225\262\121\144\153\215\153
\346\077\160\225\360\005\104\107\246\162\070\120\166\225\002\132
\216\256\050\236\371\055\116\231\357\054\110\157\114\045\051\350
\321\161\133\337\035\301\165\067\264\327\372\173\172\102\234\152
\012\126\132\174\151\013\252\200\011\044\154\176\301\106\243\102
\060\100\060\017\006\003\125\035\023\001\001\377\004\005\060\003
\001\001\377\060\016\006\003\125\035\017\001\001\377\004\004\003
\002\001\006\060\035\006\003\125\035\016\004\026\004\024\264\042
\013\202\231\044\001\016\234\273\344\016\375\277\373\227\040\223
\231\052\060\012\006\010\052\206\110\316\075\004\003\002\003\147
\000\060\144\002\060\147\316\026\142\070\242\254\142\105\247\251
\225\044\300\032\047\234\062\073\300\300\325\272\251\347\370\004
\103\123\205\356\122\041\336\235\365\045\203\076\236\130\113\057
\327\147\023\016\041\002\060\005\341\165\001\336\150\355\052\037
\115\114\011\010\015\354\113\255\144\027\050\347\165\316\105\145
\162\041\027\313\042\101\016\214\023\230\070\232\124\155\233\312
\342\174\352\002\130\042\221

END

CKA_NSS_MOZILLA_CA_POLICY

```

CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for "Hellenic Academic and Research Institutions ECC RootCA 2015"
# Issuer: CN=Hellenic Academic and Research Institutions ECC RootCA 2015,O=Hellenic Academic and Research
Institutions Cert. Authority,L=Athens,C=GR
# Serial Number: 0 (0x0)
# Subject: CN=Hellenic Academic and Research Institutions ECC RootCA 2015,O=Hellenic Academic and
Research Institutions Cert. Authority,L=Athens,C=GR
# Not Valid Before: Tue Jul 07 10:37:12 2015
# Not Valid After : Sat Jun 30 10:37:12 2040
# Fingerprint (SHA-256):
44:B5:45:AA:8A:25:E6:5A:73:CA:15:DC:27:FC:36:D2:4C:1C:B9:95:3A:06:65:39:B1:15:82:DC:48:7B:48:33
#
Fingerprint (SHA1): 9F:F1:71:8D:92:D5:9A:F3:7D:74:97:B4:BC:6F:84:68:0B:BA:B6:66
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Hellenic Academic and Research Institutions ECC RootCA 2015"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\237\361\161\215\222\325\232\363\175\164\227\264\274\157\204\150
\013\272\266\146
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\201\345\264\027\353\302\365\341\113\015\101\173\111\222\376\357
END
CKA_ISSUER MULTILINE_OCTAL
\060\201\252\061\013\060\011\006\003\125\004\006\023\002\107\122
\061\017\060\015\006\003\125\004\007\023\006\101\164\150\145\156
\163\061\104\060\102\006\003\125\004\012\023\073\110\145\154\154
\145\156\151\143\040\101\143\141\144\145\155\151\143\040\141\156
\144\040\122\145\163\145\141\162\143\150\040\111\156\163\164\151
\164\165\164\151\157\156\163\040\103\145\162\164\056\040\101\165
\164\150\157\162\151\164\171\061\104\060\102\006\003\125\004\003
\023\073\110\145\154\154\145\156\151\143\040\101\143\141\144\145
\155\151\143\040\141\156\144\040\122\145\163\145\141\162\143\150
\040\111\156\163\164\151\164\165\164\151\157\156\163\040\105\103
\103\040\122\157\157\164\103\101\040\062\060\061\065
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\001\000
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

```


CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#

Certificate "ISRG Root X1"

#

Issuer: CN=ISRG Root X1,O=Internet Security Research Group,C=US

Serial Number:00:82:10:cf:b0:d2:40:e3:59:44:63:e0:bb:63:82:8b:00

Subject: CN=ISRG Root X1,O=Internet Security Research Group,C=US

Not Valid Before: Thu Jun 04 11:04:38 2015

Not Valid After : Mon Jun 04 11:04:38 2035

Fingerprint (SHA-256):

96:BC:EC:06:26:49:76:F3:74:60:77:9A:CF:28:C5:A7:CF:E8:A3:C0:AA:E1:1A:8F:FC:EE:05:C0:BD:DF:08:C6

#

Fingerprint (SHA1): CA:BD:2A:79:A1:07:6A:31:F2:1D:25:36:35:CB:03:9D:43:29:A5:E8

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "ISRG Root X1"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL

\060\117\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\051\060\047\006\003\125\004\012\023\040\111\156\164\145\162\156
\145\164\040\123\145\143\165\162\151\164\171\040\122\145\163\145
\141\162\143\150\040\107\162\157\165\160\061\025\060\023\006\003
\125\004\003\023\014\111\123\122\107\040\122\157\157\164\040\130
\061

END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

\060\117\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\051\060\047\006\003\125\004\012\023\040\111\156\164\145\162\156
\145\164\040\123\145\143\165\162\151\164\171\040\122\145\163\145
\141\162\143\150\040\107\162\157\165\160\061\025\060\023\006\003
\125\004\003\023\014\111\123\122\107\040\122\157\157\164\040\130
\061

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

\002\021\000\202\020\317\260\322\100\343\131\104\143\340\273\143
\202\213\000

END

CKA_VALUE MULTILINE_OCTAL

\060\202\005\153\060\202\003\123\240\003\002\001\002\002\021\000
\202\020\317\260\322\100\343\131\104\143\340\273\143\202\213\000
\060\015\006\011\052\206\110\206\367\015\001\001\013\005\000\060
\117\061\013\060\011\006\003\125\004\006\023\002\125\123\061\051
\060\047\006\003\125\004\012\023\040\111\156\164\145\162\156\145

\164\040\123\145\143\165\162\151\164\171\040\122\145\163\145\141
\162\143\150\040\107\162\157\165\160\061\025\060\023\006\003\125
\004\003\023\014\111\123\122\107\040\122\157\157\164\040\130\061
\060\036\027\015\061\065\060\066\060\064\061\061\060\064\063\070
\132\027\015\063\065\060\066\060\064\061\061\060\064\063\070\132
\060\117\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\051\060\047\006\003\125\004\012\023\040\111\156\164\145\162\156
\145\164\040\123\145\143\165\162\151\164\171\040\122\145\163\145
\141\162\143\150\040\107\162\157\165\160\061\025\060\023\006\003
\125\004\003\023\014\111\123\122\107\040\122\157\157\164\040\130
\061\060\202\002\042\060\015\006\011\052\206\110\206\367\015\001
\001\001\005\000\003\202\002\017\000\060\202\002\012\002\202\002
\001\000\255\350\044\163\364\024\067\363\233\236\053\127\050\034
\207\276\334\267\337\070\220\214\156\074\346\127\240\170\367\165
\302\242\376\365\152\156\366\000\117\050\333\336\150\206\154\104
\223\266\261\143\375\024\022\153\277\037\322\352\061\233\041\176
\321\063\074\272\110\365\335\171\337\263\270\377\022\361\041\232
\113\301\212\206\161\151\112\146\146\154\217\176\074\160\277\255
\051\042\006\363\344\300\346\200\256\342\113\217\267\231\176\224
\003\237\323\107\227\174\231\110\043\123\350\070\256\117\012\157
\203\056\321\111\127\214\200\164\266\332\057\320\070\215\173\003
\160\041\033\165\362\060\074\372\217\256\335\332\143\253\353\026
\117\302\216\021\113\176\317\013\350\377\265\167\056\364\262\173
\112\340\114\022\045\014\160\215\003\051\240\341\123\044\354\023
\331\356\031\277\020\263\112\214\077\211\243\141\121\336\254\207
\007\224\364\143\161\354\056\342\157\133\230\201\341\211\134\064
\171\154\166\357\073\220\142\171\346\333\244\232\057\046\305\320
\020\341\016\336\331\020\216\026\373\267\367\250\367\307\345\002
\007\230\217\066\010\225\347\342\067\226\015\066\165\236\373\016
\162\261\035\233\274\003\371\111\005\330\201\335\005\264\052\326
\101\351\254\001\166\225\012\017\330\337\325\275\022\037\065\057
\050\027\154\322\230\301\250\011\144\167\156\107\067\272\316\254
\131\136\150\235\177\162\326\211\305\006\101\051\076\131\076\335
\046\365\044\311\021\247\132\243\114\100\037\106\241\231\265\247
\072\121\156\206\073\236\175\162\247\022\005\170\131\355\076\121
\170\025\013\003\217\215\320\057\005\262\076\173\112\034\113\163
\005\022\374\306\352\340\120\023\174\103\223\164\263\312\164\347
\216\037\001\010\320\060\324\133\161\066\264\007\272\301\060\060
\134\110\267\202\073\230\246\175\140\212\242\243\051\202\314\272
\275\203\004\033\242\203\003\101\241\326\005\361\033\302\266\360
\250\174\206\073\106\250\110\052\210\334\166\232\166\277\037\152
\245\075\031\217\353\070\363\144\336\310\053\015\012\050\377\367
\333\342\025\102\324\042\320\047\135\341\171\376\030\347\160\210
\255\116\346\331\213\072\306\335\047\121\156\377\274\144\365\063
\103\117\002\003\001\000\001\243\102\060\100\060\016\006\003\125
\035\017\001\001\377\004\004\003\002\001\006\060\017\006\003\125
\035\023\001\001\377\004\005\060\003\001\001\377\060\035\006\003
\125\035\016\004\026\004\024\171\264\131\346\173\266\345\344\001

\163\200\010\210\310\032\130\366\351\233\156\060\015\006\011\052
\206\110\206\367\015\001\001\013\005\000\003\202\002\001\000\125
\037\130\251\274\262\250\120\320\014\261\330\032\151\040\047\051
\010\254\141\165\134\212\156\370\202\345\151\057\325\366\126\113
\271\270\163\020\131\323\041\227\176\347\114\161\373\262\322\140
\255\071\250\013\352\027\041\126\205\361\120\016\131\353\316\340
\131\351\272\311\025\357\206\235\217\204\200\366\344\351\221\220
\334\027\233\142\033\105\360\146\225\322\174\157\302\352\073\357
\037\317\313\326\256\047\361\251\260\310\256\375\175\176\232\372
\042\004\353\377\331\177\352\221\053\042\261\027\016\217\362\212
\064\133\130\330\374\001\311\124\271\270\046\314\212\210\063\211
\114\055\204\074\202\337\356\226\127\005\272\054\273\367\304\267
\307\116\073\202\276\061\310\042\163\163\222\321\302\200\244\071
\071\020\063\043\202\114\074\237\206\262\125\230\035\276\051\206
\214\042\233\236\342\153\073\127\072\202\160\115\334\011\307\211
\313\012\007\115\154\350\135\216\311\357\316\253\307\273\265\053
\116\105\326\112\320\046\314\345\162\312\010\152\245\225\343\025
\241\367\244\355\311\054\137\245\373\377\254\050\002\056\276\327
\173\273\343\161\173\220\026\323\007\136\106\123\174\067\007\102
\214\323\304\226\234\325\231\265\052\340\225\032\200\110\256\114
\071\007\316\314\107\244\122\225\053\272\270\373\255\322\063\123
\175\345\035\115\155\325\241\261\307\102\157\346\100\047\065\134
\243\050\267\007\215\347\215\063\220\347\043\237\373\120\234\171
\154\106\325\264\025\263\226\156\176\233\014\226\072\270\122\055
\077\326\133\341\373\010\302\204\376\044\250\243\211\332\254\152
\341\030\052\261\250\103\141\133\323\037\334\073\215\166\362\055
\350\215\165\337\027\063\154\075\123\373\173\313\101\137\377\334
\242\320\141\070\341\226\270\254\135\213\067\327\165\325\063\300
\231\021\256\235\101\301\162\165\204\276\002\101\102\137\147\044
\110\224\321\233\047\276\007\077\271\270\117\201\164\121\341\172
\267\355\235\043\342\276\340\325\050\004\023\074\061\003\236\335
\172\154\217\306\007\030\306\177\336\107\216\077\050\236\004\006
\317\245\124\064\167\275\354\211\233\351\027\103\337\133\333\137
\376\216\036\127\242\315\100\235\176\142\042\332\336\030\047

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER

CK_BBOOL CK_FALSE

Trust for "ISRG Root X1"

Issuer: CN=ISRG Root X1,O=Internet Security Research Group,C=US

Serial Number:00:82:10:cf:b0:d2:40:e3:59:44:63:e0:bb:63:82:8b:00

Subject: CN=ISRG Root X1,O=Internet Security Research Group,C=US

Not Valid Before: Thu Jun 04 11:04:38 2015

Not Valid After : Mon Jun 04 11:04:38 2035

Fingerprint (SHA-256):

```

96:BC:EC:06:26:49:76:F3:74:60:77:9A:CF:28:C5:A7:CF:E8:A3:C0:AA:E1:1A:8F:FC:EE:05:C0:BD:DF:08:C6
# Fingerprint (SHA1): CA:BD:2A:79:A1:07:6A:31:F2:1D:25:36:35:CB:03:9D:43:29:A5:E8
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "ISRG Root X1"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\312\275\052\171\241\007\152\061\362\035\045\066\065\313\003\235
\103\051\245\350
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\014\322\371\340\332\027\163\351\355\206\115\245\343\160\347\116
END
CKA_ISSUER MULTILINE_OCTAL
\060\117\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\051\060\047\006\003\125\004\012\023\040\111\156\164\145\162\156
\145\164\040\123\145\143\165\162\151\164\171\040\122\145\163\145
\141\162\143\150\040\107\162\157\165\160\061\025\060\023\006\003
\125\004\003\023\014\111\123\122\107\040\122\157\157\164\040\130
\061
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\021\000\202\020\317\260\322\100\343\131\104\143\340\273\143
\202\213\000
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "AC RAIZ FNMT-RCM"
#
# Issuer: OU=AC RAIZ FNMT-RCM,O=FNMT-RCM,C=ES
# Serial Number:5d:93:8d:30:67:36:c8:06:1d:1a:c7:54:84:69:07
# Subject: OU=AC RAIZ FNMT-RCM,O=FNMT-RCM,C=ES
# Not Valid Before: Wed Oct 29 15:59:56 2008
# Not Valid After : Tue Jan 01 00:00:00 2030
# Fingerprint (SHA-256):
EB:C5:57:0C:29:01:8C:4D:67:B1:AA:12:7B:AF:12:F7:03:B4:61:1E:BC:17:B7:DA:B5:57:38:94:17:9B:93:FA
#
Fingerprint (SHA1): EC:50:35:07:B2:15:C4:95:62:19:E2:A8:9A:5B:42:99:2C:4C:2C:20
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE

```

```
CKA_LABEL UTF8 "AC RAIZ FNMT-RCM"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\073\061\013\060\011\006\003\125\004\006\023\002\105\123\061
\021\060\017\006\003\125\004\012\014\010\106\116\115\124\055\122
\103\115\061\031\060\027\006\003\125\004\013\014\020\101\103\040
\122\101\111\132\040\106\116\115\124\055\122\103\115
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\073\061\013\060\011\006\003\125\004\006\023\002\105\123\061
\021\060\017\006\003\125\004\012\014\010\106\116\115\124\055\122
\103\115\061\031\060\027\006\003\125\004\013\014\020\101\103\040
\122\101\111\132\040\106\116\115\124\055\122\103\115
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\017\135\223\215\060\147\066\310\006\035\032\307\124\204\151
\007
END
CKA_VALUE
MULTILINE_OCTAL
\060\202\005\203\060\202\003\153\240\003\002\001\002\002\017\135
\223\215\060\147\066\310\006\035\032\307\124\204\151\007\060\015
\006\011\052\206\110\206\367\015\001\001\013\005\000\060\073\061
\013\060\011\006\003\125\004\006\023\002\105\123\061\021\060\017
\006\003\125\004\012\014\010\106\116\115\124\055\122\103\115\061
\031\060\027\006\003\125\004\013\014\020\101\103\040\122\101\111
\132\040\106\116\115\124\055\122\103\115\060\036\027\015\060\070
\061\060\062\071\061\065\065\071\065\066\132\027\015\063\060\060
\061\060\061\060\060\060\060\060\132\060\073\061\013\060\011
\006\003\125\004\006\023\002\105\123\061\021\060\017\006\003\125
\004\012\014\010\106\116\115\124\055\122\103\115\061\031\060\027
\006\003\125\004\013\014\020\101\103\040\122\101\111\132\040\106
\116\115\124\055\122\103\115\060\202\002\042\060\015\006\011\052
\206\110\206\367\015\001\001\001\005\000\003\202\002\017\000\060
\202\002\012\002\202\002\001\000\272\161\200\172\114\206\156\177
\310\023\155\300\306\175\034\000\227\217\054\014\043\273\020\232
\100\251\032\267\207\210\370\233\126\152\373\346\173\216\213\222
\216\247\045\135\131\021\333\066\056\267\121\027\037\251\010\037
\004\027\044\130\252\067\112\030\337\345\071\324\127\375\327\301
\054\221\001\221\342\042\324\003\300\130\374\167\107\354\217\076
\164\103\272\254\064\215\115\070\166\147\216\260\310\157\060\063
\130\161\134\264\365\153\156\324\001\120\270\023\176\154\112\243
\111\321\040\031\356\274\300\051\030\145\247\336\376\357\335\012
\220\041\347\032\147\222\102\020\230\137\117\060\274\076\034\105
\264\020\327\150\100\024\300\100\372\347\167\027\172\346\013\217
\145\133\074\331\232\122\333\265\275\236\106\317\075\353\221\005
\002\300\226\262\166\114\115\020\226\073\222\372\234\177\017\231
```

\337\276\043\065\105\036\002\134\376\265\250\233\231\045\332\136
\363\042\303\071\365\344\052\056\323\306\037\304\154\252\305\034
\152\001\005\112\057\322\305\301\250\064\046\135\146\245\322\002
\041\371\030\267\006\365\116\231\157\250\253\114\121\350\317\120
\030\305\167\310\071\011\054\111\222\062\231\250\273\027\027\171
\260\132\305\346\243\304\131\145\107\065\203\136\251\350\065\013
\231\273\344\315\040\306\233\112\006\071\265\150\374\042\272\356
\125\214\053\116\352\363\261\343\374\266\231\232\325\102\372\161
\115\010\317\207\036\152\161\175\371\323\264\351\245\161\201\173
\302\116\107\226\245\366\166\205\243\050\217\351\200\156\201\123
\245\155\137\270\110\371\302\371\066\246\056\111\377\270\226\302
\214\007\263\233\210\130\374\353\033\034\336\055\160\342\227\222
\060\241\211\343\274\125\250\047\326\113\355\220\255\213\372\143
\045\131\055\250\065\335\312\227\063\274\345\315\307\235\321\354
\357\136\016\112\220\006\046\143\255\271\331\065\055\007\272\166
\145\054\254\127\217\175\364\007\224\327\201\002\226\135\243\007
\111\325\172\320\127\371\033\347\123\106\165\252\260\171\102\313
\150\161\010\351\140\275\071\151\316\364\257\303\126\100\307\255
\122\242\011\344\157\206\107\212\037\353\050\047\135\203\040\257
\004\311\154\126\232\213\106\365\002\003\001\000\001\243\201\203
\060\201\200\060\017\006\003\125\035\023\001\001\377\004\005\060
\003\001\001\377\060\016\006\003\125\035\017\001\001\377\004\004
\003\002\001\006\060\035\006\003\125\035\016\004\026\004\024\367
\175\305\375\304\350\232\033\167\144\247\365\035\240\314\277\207
\140\232\155\060\076\006\003\125\035\040\004\067\060\065\060\063
\006\004\125\035\040\000\060\053\060\051\006\010\053\006\001\005
\005\007\002\001\026\035\150\164\164\160\072\057\057\167\167\167
\056\143\145\162\164\056\146\156\155\164\056\145\163\057\144\160
\143\163\057\060\015\006\011\052\206\110\206\367\015\001\001\013
\005\000\003\202\002\001\000\007\220\112\337\363\043\116\360\303
\234\121\145\233\234\042\242\212\014\205\363\163\051\153\115\376
\001\342\251\014\143\001\277\004\147\245\235\230\137\375\001\023
\372\354\232\142\351\206\376\266\142\322\156\114\224\373\300\165
\105\174\145\014\370\262\067\317\254\017\317\215\157\371\031\367
\217\354\036\362\160\236\360\312\270\357\267\377\166\067\166\133
\366\156\210\363\257\142\062\042\223\015\072\152\216\024\146\014
\055\123\164\127\145\036\325\262\335\043\201\073\245\146\043\047
\147\011\217\341\167\252\103\315\145\121\010\355\121\130\376\346
\071\371\313\107\204\244\025\361\166\273\244\356\244\073\304\137
\357\262\063\226\021\030\267\311\145\276\030\341\243\244\334\372
\030\371\323\274\023\233\071\172\064\272\323\101\373\372\062\212
\052\267\053\206\013\151\203\070\276\315\212\056\013\160\255\215
\046\222\356\036\365\001\053\012\331\326\227\233\156\340\250\031
\034\072\041\213\014\036\100\255\003\347\335\146\176\365\271\040
\015\003\350\226\371\202\105\324\071\340\240\000\135\327\230\346
\175\236\147\163\303\232\052\367\253\213\241\072\024\357\064\274
\122\016\211\230\232\004\100\204\035\176\105\151\223\127\316\353
\316\370\120\174\117\034\156\004\103\233\371\326\073\043\030\351

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\352\216\321\115\106\215\361\073\344\152\312\272\373\043\267\233
\372\231\001\051\132\130\132\055\343\371\324\155\016\046\255\301
\156\064\274\062\370\014\005\372\145\243\333\073\067\203\042\351
\326\334\162\063\375\135\362\040\275\166\074\043\332\050\367\371
\033\353\131\144\325\334\137\162\176\040\374\315\211\265\220\147
\115\142\172\077\116\255\035\303\071\376\172\364\050\026\337\101
\366\110\200\005\327\017\121\171\254\020\253\324\354\003\146\346
\152\260\272\061\222\102\100\152\276\072\323\162\341\152\067\125
\274\254\035\225\267\151\141\362\103\221\164\346\240\323\012\044
\106\241\010\257\326\332\105\031\226\324\123\035\133\204\171\360
\300\367\107\357\213\217\305\006\256\235\114\142\235\377\106\004
\370\323\311\266\020\045\100\165\376\026\252\311\112\140\206\057
\272\357\060\167\344\124\342\270\204\231\130\200\252\023\213\121
\072\117\110\366\213\266\263
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "AC RAIZ FNMT-RCM"

Issuer: OU=AC RAIZ FNMT-RCM,O=FNMT-RCM,C=ES

#

Serial Number:5d:93:8d:30:67:36:c8:06:1d:1a:c7:54:84:69:07

Subject: OU=AC RAIZ FNMT-RCM,O=FNMT-RCM,C=ES

Not Valid Before: Wed Oct 29 15:59:56 2008

Not Valid After : Tue Jan 01 00:00:00 2030

Fingerprint (SHA-256):

EB:C5:57:0C:29:01:8C:4D:67:B1:AA:12:7B:AF:12:F7:03:B4:61:1E:BC:17:B7:DA:B5:57:38:94:17:9B:93:FA

Fingerprint (SHA1): EC:50:35:07:B2:15:C4:95:62:19:E2:A8:9A:5B:42:99:2C:4C:2C:20

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "AC RAIZ FNMT-RCM"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\354\120\065\007\262\025\304\225\142\031\342\250\232\133\102\231
\054\114\054\040
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\342\011\004\264\323\275\321\240\024\375\032\322\107\304\127\035
```

END

CKA_ISSUER MULTILINE_OCTAL

```
\060\073\061\013\060\011\006\003\125\004\006\023\002\105\123\061
\021\060\017\006\003\125\004\012\014\010\106\116\115\124\055\122
\103\115\061\031\060\027\006\003\125\004\013\014\020\101\103\040
\122\101\111\132\040\106\116\115\124\055\122\103\115
```

END

```

CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\017\135\223\215\060\147\066\310\006\035\032\307\124\204\151
\007
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "Amazon Root CA 1"
#
# Issuer: CN=Amazon Root CA 1,O=Amazon,C=US
# Serial Number:06:6c:9f:cf:99:bf:8c:0a:39:e2:f0:78:8a:43:e6:96:36:5b:ca
# Subject: CN=Amazon Root CA 1,O=Amazon,C=US
# Not Valid Before: Tue May 26 00:00:00 2015
# Not Valid After : Sun Jan 17 00:00:00 2038
# Fingerprint (SHA-256):
8E:CD:E6:88:4F:3D:87:B1:12:5B:A3:1A:C3:FC:B1:3D:70:16:DE:7F:57:CC:90:4F:E1:CB:97:C6:AE:98:19:6E
# Fingerprint (SHA1): 8D:A7:F9:65:EC:5E:FC:37:91:0F:1C:6E:59:FD:C1:CC:6A:6E:DE:16
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE
CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Amazon Root CA 1"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\071\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\017\060\015\006\003\125\004\012\023\006\101\155\141\172\157\156
\061\031\060\027\006\003\125\004\003\023\020\101\155\141\172\157
\156\040\122\157\157\164\040\103\101\040\061
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\071\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\017\060\015\006\003\125\004\012\023\006\101\155\141\172\157\156
\061\031\060\027\006\003\125\004\003\023\020\101\155\141\172\157
\156\040\122\157\157\164\040\103\101\040\061
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\023\006\154\237\317\231\277\214\012\071\342\360\170\212\103
\346\226\066\133\312
END
CKA_VALUE MULTILINE_OCTAL
\060\202\003\101\060\202\002\051\240\003\002\001\002\002\023\006
\154\237\317\231\277\214\012\071\342\360\170\212\103\346\226\066

```


\133\312\060\015\006\011\052\206\110\206\367\015\001\001\013\005
\000\060\071\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\017\060\015\006\003\125\004\012\023\006\101\155\141\172\157
\156\061\031\060\027\006\003\125\004\003\023\020\101\155\141\172
\157\156\040\122\157\157\164\040\103\101\040\061\060\036\027\015
\061\065\060\065\062\066\060\060\060\060\060\132\027\015\063
\070\060\061\061\067\060\060\060\060\060\132\060\071\061\013
\060\011\006\003\125\004\006\023\002\125\123\061\017\060\015\006
\003\125\004\012\023\006\101\155\141\172\157\156\061\031\060\027
\006\003\125\004\003\023\020\101\155\141\172\157\156\040\122\157
\157\164\040\103\101\040\061\060\202\001\042\060\015\006\011\052
\206\110\206\367\015\001\001\001\005\000\003\202\001\017\000\060
\202\001\012\002\202\001\001\000\262\170\200\161\312\170\325\343
\161\257\107\200\120\164\175\156\330\327\210\166\364\231\150\367
\130\041\140\371\164\204\001\057\254\002\055\206\323\240\103\172
\116\262\244\320\066\272\001\276\215\333\110\310\007\027\066\114
\364\356\210\043\307\076\353\067\365\265\031\370\111\150\260\336
\327\271\166\070\035\141\236\244\376\202\066\245\345\112\126\344
\105\341\371\375\264\026\372\164\332\234\233\065\071\057\372\260
\040\120\006\154\172\320\200\262\246\371\257\354\107\031\217\120
\070\007\334\242\207\071\130\370\272\325\251\371\110\147\060\226
\356\224\170\136\157\211\243\121\300\060\206\146\241\105\146\272
\124\353\243\303\221\371\110\334\377\321\350\060\055\175\055\164
\160\065\327\210\044\367\236\304\131\156\273\163\207\027\362\062
\106\050\270\103\372\267\035\252\312\264\362\237\044\016\055\113
\367\161\134\136\151\377\352\225\002\313\070\212\256\120\070\157
\333\373\055\142\033\305\307\036\124\341\167\340\147\310\017\234
\207\043\326\077\100\040\177\040\200\304\200\114\076\073\044\046
\216\004\256\154\232\310\252\015\002\003\001\000\001\243\102\060
\100\060\017\006\003\125\035\023\001\001\377\004\005\060\003\001
\001\377\060\016\006\003\125\035\017\001\001\377\004\004\003\002
\001\206\060\035\006\003\125\035\016\004\026\004\024\204\030\314
\205\064\354\274\014\224\224\056\010\131\234\307\262\020\116\012
\010\060\015\006\011\052\206\110\206\367\015\001\001\013\005\000
\003\202\001\001\000\230\362\067\132\101\220\241\032\305\166\121
\050\040\066\043\016\256\346\050\273\252\370\224\256\110\244\060
\177\033\374\044\215\113\264\310\241\227\366\266\361\172\160\310
\123\223\314\010\050\343\230\045\317\043\244\371\336\041\323\174
\205\011\255\116\232\165\072\302\013\152\211\170\166\104\107\030
\145\154\215\101\216\073\177\232\313\364\265\247\120\327\005\054
\067\350\003\113\255\351\141\240\002\156\365\362\360\305\262\355
\133\267\334\372\224\134\167\236\023\245\177\122\255\225\362\370
\223\073\336\213\134\133\312\132\122\133\140\257\024\367\113\357
\243\373\237\100\225\155\061\124\374\102\323\307\106\037\043\255
\331\017\110\160\232\331\165\170\161\321\162\103\064\165\156\127
\131\302\002\134\046\140\051\317\043\031\026\216\210\103\245\324
\344\313\010\373\043\021\103\350\103\051\162\142\241\251\135\136
\010\324\220\256\270\330\316\024\302\320\125\362\206\366\304\223

```
\103\167\146\141\300\271\350\101\327\227\170\140\003\156\112\162
\256\245\321\175\272\020\236\206\154\033\212\271\131\063\370\353
\304\220\276\361\271
```

END

CKA_NSS_Mozilla_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "Amazon Root CA 1"

Issuer: CN=Amazon Root CA 1,O=Amazon,C=US

Serial Number:06:6c:9f:cf:99:bf:8c:0a:39:e2:f0:78:8a:43:e6:96:36:5b:ca

Subject: CN=Amazon Root CA 1,O=Amazon,C=US

Not Valid Before: Tue May 26 00:00:00 2015

Not Valid After : Sun Jan 17 00:00:00 2038

Fingerprint (SHA-256):

8E:CD:E6:88:4F:3D:87:B1:12:5B:A3:1A:C3:FC:B1:3D:70:16:DE:7F:57:CC:90:4F:E1:CB:97:C6:AE:98:19:6E

Fingerprint (SHA1): 8D:A7:F9:65:EC:5E:FC:37:91:0F:1C:6E:59:FD:C1:CC:6A:6E:DE:16

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "Amazon

Root CA 1"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\215\247\371\145\354\136\374\067\221\017\034\156\131\375\301\314
```

```
\152\156\336\026
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\103\306\277\256\354\376\255\057\030\306\210\150\060\374\310\346
```

END

CKA_ISSUER MULTILINE_OCTAL

```
\060\071\061\013\060\011\006\003\125\004\006\023\002\125\123\061
```

```
\017\060\015\006\003\125\004\012\023\006\101\155\141\172\157\156
```

```
\061\031\060\027\006\003\125\004\003\023\020\101\155\141\172\157
```

```
\156\040\122\157\157\164\040\103\101\040\061
```

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

```
\002\023\006\154\237\317\231\277\214\012\071\342\360\170\212\103
```

```
\346\226\066\133\312
```

END

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#

Certificate "Amazon Root CA 2"

```
#
# Issuer: CN=Amazon Root CA 2,O=Amazon,C=US
# Serial Number:06:6c:9f:d2:96:35:86:9f:0a:0f:e5:86:78:f8:5b:26:bb:8a:37
#
Subject: CN=Amazon Root CA 2,O=Amazon,C=US
# Not Valid Before: Tue May 26 00:00:00 2015
# Not Valid After : Sat May 26 00:00:00 2040
# Fingerprint (SHA-256):
1B:A5:B2:AA:8C:65:40:1A:82:96:01:18:F8:0B:EC:4F:62:30:4D:83:CE:C4:71:3A:19:C3:9C:01:1E:A4:6D:B4
# Fingerprint (SHA1): 5A:8C:EF:45:D7:A6:98:59:76:7A:8C:8B:44:96:B5:78:CF:47:4B:1A
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Amazon Root CA 2"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\071\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\017\060\015\006\003\125\004\012\023\006\101\155\141\172\157\156
\061\031\060\027\006\003\125\004\003\023\020\101\155\141\172\157
\156\040\122\157\157\164\040\103\101\040\062
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\071\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\017\060\015\006\003\125\004\012\023\006\101\155\141\172\157\156
\061\031\060\027\006\003\125\004\003\023\020\101\155\141\172\157
\156\040\122\157\157\164\040\103\101\040\062
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\023\006\154\237\322\226\065\206\237\012\017\345\206\170\370
\133\046\273\212\067
END
CKA_VALUE MULTILINE_OCTAL
\060\202\005\101\060\202\003\051\240\003\002\001\002\002\023\006
\154\237\322\226\065\206\237\012\017\345\206\170\370\133\046\273
\212\067\060\015\006\011\052\206\110\206\367\015\001\001\014\005
\000\060\071\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\017\060\015\006\003\125\004\012\023\006\101\155\141\172\157
\156\061\031\060\027\006\003\125\004\003\023\020\101\155\141\172
\157\156\040\122\157\157\164\040\103\101\040\062\060\036\027\015
\061\065\060\065\062\066\060\060\060\060\060\060\132\027\015\064
\060\060\065\062\066\060\060\060\060\060\060\132\060\071\061\013
\060\011\006\003\125\004\006\023\002\125\123\061\017\060\015\006
\003\125\004\012\023\006\101\155\141\172\157\156\061\031\060\027
\006\003\125\004\003\023\020\101\155\141\172\157\156\040\122\157
\157\164\040\103\101\040\062\060\202\002\042\060\015\006\011\052
```

\206\110\206\367\015\001\001\001\005\000\003\202\002\017\000\060
\202\002\012\002\202\002\001\000\255\226\237\055\234\112\114\112
\201\171\121\231\354\212\313\153\140\121\023\274\115\155\006\374
\260\010\215\335\031\020\152\307\046\014\065\330\300\157\040\204
\351\224\261\233\205\003\303\133\333\112\350\310\370\220\166\331
\133\117\343\114\350\006\066\115\314\232\254\075\014\220\053\222
\324\006\031\140\254\067\104\171\205\201\202\255\132\067\340\015
\314\235\246\114\122\166\352\103\235\267\004\321\120\366\125\340
\325\322\246\111\205\351\067\351\312\176\256\134\225\115\110\232
\077\256\040\132\155\210\225\331\064\270\122\032\103\220\260\277
\154\005\271\266\170\267\352\320\344\072\074\022\123\142\377\112
\362\173\276\065\005\251\022\064\343\363\144\164\142\054\075\000
\111\132\050\376\062\104\273\207\335\145\047\002\161\073\332\112
\367\037\332\315\367\041\125\220\117\017\354\256\202\341\237\153
\331\105\323\273\360\137\207\355\074\054\071\206\332\077\336\354
\162\125\353\171\243\255\333\335\174\260\272\034\316\374\336\117
\065\166\317\017\370\170\037\152\066\121\106\047\141\133\351\236
\317\360\242\125\175\174\045\212\157\057\264\305\317\204\056\053
\375\015\121\020\154\373\137\033\274\033\176\305\256\073\230\001
\061\222\377\013\127\364\232\262\271\127\351\253\357\015\166\321
\360\356\364\316\206\247\340\156\351\264\151\241\337\151\366\063
\306\151\056\227\023\236\245\207\260\127\020\201\067\311\123\263
\273\177\366\222\321\234\320\030\364\222\156\332\203\117\246\143
\231\114\245\373\136\357\041\144\172\040\137\154\144\205\025\313
\067\351\142\014\013\052\026\334\001\056\062\332\076\113\365\236
\072\366\027\100\224\357\236\221\010\206\372\276\143\250\132\063
\354\313\164\103\225\371\154\151\122\066\307\051\157\374\125\003
\134\037\373\237\275\107\353\347\111\107\225\013\116\211\042\011
\111\340\365\141\036\361\277\056\212\162\156\200\131\377\127\072
\371\165\062\243\116\137\354\355\050\142\331\115\163\362\314\201
\027\140\355\315\353\334\333\247\312\305\176\002\275\362\124\010
\124\375\264\055\011\054\027\124\112\230\321\124\341\121\147\010
\322\355\156\176\157\077\322\055\201\131\051\146\313\220\071\225
\021\036\164\047\376\335\353\257\002\003\001\000\001\243\102\060
\100\060\017\006\003\125\035\023\001\001\377\004\005\060\003\001
\001\377\060\016\006\003\125\035\017\001\001\377\004\004\003\002
\001\206\060\035\006\003\125\035\016\004\026\004\024\260\014\360
\114\060\364\005\130\002\110\375\063\345\122\257\113\204\343\146
\122\060\015\006\011\052\206\110\206\367\015\001\001\014\005\000
\003\202\002\001\000\252\250\200\217\016\170\243\340\242\324\315
\346\365\230\172\073\352\000\003\260\227\016\223\274\132\250\366
\054\214\162\207\251\261\374\177\163\375\143\161\170\245\207\131
\317\060\341\015\020\262\023\132\155\202\365\152\346\200\237\240
\005\013\150\344\107\153\307\152\337\266\375\167\062\162\345\030
\372\011\364\240\223\054\135\322\214\165\205\166\145\220\014\003
\171\267\061\043\143\255\170\203\011\206\150\204\312\377\371\317
\046\232\222\171\347\315\113\305\347\141\247\027\313\363\251\022
\223\223\153\247\350\057\123\222\304\140\130\260\314\002\121\030

```
\133\205\215\142\131\143\266\255\264\336\232\373\046\367\000\047
\300\135\125\067\164\231\311\120\177\343\131\056\104\343\054\045
\356\354\114\062\167\264\237\032\351\113\135\040\305\332\375\034
\207\026\306\103\350\324\273\046\232\105\160\136\251\013\067\123
\342\106\173\047\375\340\106\362\211\267\314\102\266\313\050\046
\156\331\245\311\072\310\101\023\140\367\120\214\025\256\262\155
\032\025\032\127\170\346\222\052\331\145\220\202\077\154\002\257
\256\022\072\047\226\066\004\327\035\242\200\143\251\233\361\345
\272\264\174\024\260\116\311\261\037\164\137\070\366\121\352\233
\372\054\242\021\324\251\055\047\032\105\261\257\262\116\161\015
\300\130\106\326\151\006\313\123\313\263\376\153\101\315\101\176
\175\114\017\174\162\171\172\131\315\136\112\016\254\233\251\230
\163\171\174\264\364\314\271\270\007\014\262\164\134\270\307\157
\210\241\220\247\364\252\371\277\147\072\364\032\025\142\036\267
\237\276\075\261\051\257\147\241\022\362\130\020\031\123\003\060
\033\270\032\211\366\234\275\227\003\216\243\011\363\035\213\041
\361\264\337\344\034\321\237\145\002\006\352\134\326\023\263\204
\357\242\245\134\214\167\051\247\150\300\153\256\100\322\250\264
\352\315\360\215\113\070\234\031\232\033\050\124\270\211\220\357
\312\165\201\076\036\362\144\044\307\030\257\116\377\107\236\007
\366\065\145\244\323\012\126\377\365\027\144\154\357\250\042\045
\111\223\266\337\000\027\332\130\176\135\356\305\033\260\321\321
\137\041\020\307\371\363\272\002\012\047\007\305\361\326\307\323
\340\373\011\140\154
```

END

CKA_NSS_Mozilla_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "Amazon Root CA 2"

Issuer: CN=Amazon Root CA 2,O=Amazon,C=US

Serial Number:06:6c:9f:d2:96:35:86:9f:0a:0f:e5:86:78:f8:5b:26:bb:8a:37

#

Subject: CN=Amazon Root CA 2,O=Amazon,C=US

Not Valid Before: Tue May 26 00:00:00 2015

Not Valid After : Sat May 26 00:00:00 2040

Fingerprint (SHA-256):

1B:A5:B2:AA:8C:65:40:1A:82:96:01:18:F8:0B:EC:4F:62:30:4D:83:CE:C4:71:3A:19:C3:9C:01:1E:A4:6D:B4

Fingerprint (SHA1): 5A:8C:EF:45:D7:A6:98:59:76:7A:8C:8B:44:96:B5:78:CF:47:4B:1A

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "Amazon Root CA 2"

CKA_CERT_SHA1_HASH MULTILINE OCTAL

```
\132\214\357\105\327\246\230\131\166\172\214\213\104\226\265\170
```

```
\317\107\113\032
```

```

END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\310\345\215\316\250\102\342\172\300\052\134\174\236\046\277\146
END
CKA_ISSUER MULTILINE_OCTAL
\060\071\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\017\060\015\006\003\125\004\012\023\006\101\155\141\172\157\156
\061\031\060\027\006\003\125\004\003\023\020\101\155\141\172\157
\156\040\122\157\157\164\040\103\101\040\062
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\023\006\154\237\322\226\065\206\237\012\017\345\206\170\370
\133\046\273\212\067
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "Amazon Root CA 3"
#
# Issuer: CN=Amazon Root CA 3,O=Amazon,C=US
# Serial Number:06:6c:9f:d5:74:97:36:66:3f:3b:0b:9a:d9:e8:9e:76:03:f2:4a
# Subject: CN=Amazon Root CA 3,O=Amazon,C=US
# Not Valid Before: Tue May 26 00:00:00 2015
# Not Valid After : Sat May 26 00:00:00 2040
# Fingerprint (SHA-256):
18:CE:6C:FE:7B:F1:4E:60:B2:E3:47:B8:DF:E8:68:CB:31:D0:2E:BB:3A:DA:27:15:69:F5:03:43:B4:6D:B3:A4
# Fingerprint (SHA1): 0D:44:DD:8C:3C:8C:1A:1A:58:75:64:81:E9:0F:2E:2A:FF:B3:D2:6E
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL
CK_FALSE
CKA_LABEL UTF8 "Amazon Root CA 3"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\071\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\017\060\015\006\003\125\004\012\023\006\101\155\141\172\157\156
\061\031\060\027\006\003\125\004\003\023\020\101\155\141\172\157
\156\040\122\157\157\164\040\103\101\040\063
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\071\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\017\060\015\006\003\125\004\012\023\006\101\155\141\172\157\156

```

\061\031\060\027\006\003\125\004\003\023\020\101\155\141\172\157
\156\040\122\157\157\164\040\103\101\040\063

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\002\023\006\154\237\325\164\227\066\146\077\073\013\232\331\350
\236\166\003\362\112

END

CKA_VALUE MULTILINE_OCTAL

\060\202\001\266\060\202\001\133\240\003\002\001\002\002\023\006
\154\237\325\164\227\066\146\077\073\013\232\331\350\236\166\003
\362\112\060\012\006\010\052\206\110\316\075\004\003\002\060\071
\061\013\060\011\006\003\125\004\006\023\002\125\123\061\017\060
\015\006\003\125\004\012\023\006\101\155\141\172\157\156\061\031
\060\027\006\003\125\004\003\023\020\101\155\141\172\157\156\040
\122\157\157\164\040\103\101\040\063\060\036\027\015\061\065\060
\065\062\066\060\060\060\060\060\132\027\015\064\060\060\065
\062\066\060\060\060\060\060\132\060\071\061\013\060\011\006
\003\125\004\006\023\002\125\123\061\017\060\015\006\003\125\004
\012\023\006\101\155\141\172\157\156\061\031\060\027\006\003\125
\004\003\023\020\101\155\141\172\157\156\040\122\157\157\164\040
\103\101\040\063\060\131\060\023\006\007\052\206\110\316\075\002
\001\006\010\052\206\110\316\075\003\001\007\003\102\000\004\051
\227\247\306\101\177\300\015\233\350\001\033\126\306\362\122\245
\272\055\262\022\350\322\056\327\372\311\305\330\252\155\037\163
\201\073\073\230\153\071\174\063\245\305\116\206\216\200\027\150
\142\105\127\175\104\130\035\263\067\345\147\010\353\146\336\243
\102\060\100\060\017\006\003\125\035\023\001\001\377\004\005\060
\003\001\001\377\060\016\006\003\125\035\017\001\001\377\004\004
\003\002\001\206\060\035\006\003\125\035\016\004\026\004\024\253
\266\333\327\006\236\067\254\060\206\007\221\160\307\234\304\031
\261\170\300\060\012\006\010\052\206\110\316\075\004\003\002\003
\111\000\060\106\002\041\000\340\205\222\243\027\267\215\371\053
\006\245\223\254\032\230\150\141\162\372\341\241\320\373\034\170
\140\246\103\231\305\270\304\002\041\000\234\002\357\361\224\234
\263\226\371\353\306\052\370\266\054\376\072\220\024\026\327\214
\143\044\110\034\337\060\175\325\150\073

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "Amazon Root CA 3"

Issuer: CN=Amazon Root CA 3,O=Amazon,C=US

Serial Number:06:6c:9f:d5:74:97:36:66:3f:3b:0b:9a:d9:e8:9e:76:03:f2:4a

Subject: CN=Amazon Root CA 3,O=Amazon,C=US

Not Valid Before: Tue May 26 00:00:00 2015

Not Valid After

```

: Sat May 26 00:00:00 2040
# Fingerprint (SHA-256):
18:CE:6C:FE:7B:F1:4E:60:B2:E3:47:B8:DF:E8:68:CB:31:D0:2E:BB:3A:DA:27:15:69:F5:03:43:B4:6D:B3:A4
# Fingerprint (SHA1): 0D:44:DD:8C:3C:8C:1A:1A:58:75:64:81:E9:0F:2E:2A:FF:B3:D2:6E
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Amazon Root CA 3"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\015\104\335\214\074\214\032\032\130\165\144\201\351\017\056\052
\377\263\322\156
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\240\324\357\013\367\265\330\111\225\052\354\365\304\374\201\207
END
CKA_ISSUER MULTILINE_OCTAL
\060\071\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\017\060\015\006\003\125\004\012\023\006\101\155\141\172\157\156
\061\031\060\027\006\003\125\004\003\023\020\101\155\141\172\157
\156\040\122\157\157\164\040\103\101\040\063
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\023\006\154\237\325\164\227\066\146\077\073\013\232\331\350
\236\166\003\362\112
END
CKA_TRUST_SERVER_AUTH
CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "Amazon Root CA 4"
#
# Issuer: CN=Amazon Root CA 4,O=Amazon,C=US
# Serial Number:06:6c:9f:d7:c1:bb:10:4c:29:43:e5:71:7b:7b:2c:c8:1a:c1:0e
# Subject: CN=Amazon Root CA 4,O=Amazon,C=US
# Not Valid Before: Tue May 26 00:00:00 2015
# Not Valid After : Sat May 26 00:00:00 2040
# Fingerprint (SHA-256):
E3:5D:28:41:9E:D0:20:25:CF:A6:90:38:CD:62:39:62:45:8D:A5:C6:95:FB:DE:A3:C2:2B:0B:FB:25:89:70:92
# Fingerprint (SHA1): F6:10:84:07:D6:F8:BB:67:98:0C:C2:E2:44:C2:EB:AE:1C:EF:63:BE
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Amazon Root CA 4"

```


CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL

\060\071\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\017\060\015\006\003\125\004\012\023\006\101\155\141\172\157\156
\061\031\060\027\006\003\125\004\003\023\020\101\155\141\172\157
\156\040\122\157\157\164\040\103\101\040\064

END

CKA_ID

UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

\060\071\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\017\060\015\006\003\125\004\012\023\006\101\155\141\172\157\156
\061\031\060\027\006\003\125\004\003\023\020\101\155\141\172\157
\156\040\122\157\157\164\040\103\101\040\064

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\002\023\006\154\237\327\301\273\020\114\051\103\345\161\173\173
\054\310\032\301\016

END

CKA_VALUE MULTILINE_OCTAL

\060\202\001\362\060\202\001\170\240\003\002\001\002\002\023\006
\154\237\327\301\273\020\114\051\103\345\161\173\173\054\310\032
\301\016\060\012\006\010\052\206\110\316\075\004\003\003\060\071
\061\013\060\011\006\003\125\004\006\023\002\125\123\061\017\060
\015\006\003\125\004\012\023\006\101\155\141\172\157\156\061\031
\060\027\006\003\125\004\003\023\020\101\155\141\172\157\156\040
\122\157\157\164\040\103\101\040\064\060\036\027\015\061\065\060
\065\062\066\060\060\060\060\060\132\027\015\064\060\060\065
\062\066\060\060\060\060\060\060\132\060\071\061\013\060\011\006
\003\125\004\006\023\002\125\123\061\017\060\015\006\003\125\004
\012\023\006\101\155\141\172\157\156\061\031\060\027\006\003\125
\004\003\023\020\101\155\141\172\157\156\040\122\157\157\164\040
\103\101\040\064\060\166\060\020\006\007\052\206\110\316\075\002
\001\006\005\053\201\004\000\042\003\142\000\004\322\253\212\067
\117\243\123\015\376\301\212\173\113\250\173\106\113\143\260\142
\366\055\033\333\010\161\041\322\000\350\143\275\232\047\373\360
\071\156\135\352\075\245\311\201\252\243\133\040\230\105\135\026
\333\375\350\020\155\343\234\340\343\275\137\204\142\363\160\144
\063\240\313\044\057\160\272\210\241\052\240\165\370\201\256\142
\006\304\201\333\071\156\051\260\036\372\056\134\243\102\060\100
\060\017\006\003\125\035\023\001\001\377\004\005\060\003\001\001
\377\060\016\006\003\125\035\017\001\001\377\004\004\003\002\001
\206\060\035\006\003\125\035\016\004\026\004\024\323\354\307\072
\145\156\314\341\332\166\232\126\373\234\363\206\155\127\345\201
\060\012\006\010\052\206\110\316\075\004\003\003\003\150\000\060
\145\002\060\072\213\041\361\275\176\021\255\320\357\130\226\057
\326\353\235\176\220\215\053\317\146\125\303\054\343\050\251\160
\012\107\016\360\067\131\022\377\055\231\224\050\116\052\117\065

```
\115\063\132\002\061\000\352\165\000\116\073\304\072\224\022\221
\311\130\106\235\041\023\162\247\210\234\212\344\114\112\333\226
\324\254\213\153\153\111\022\123\063\255\327\344\276\044\374\265
\012\166\324\245\274\020
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "Amazon Root CA 4"

Issuer: CN=Amazon Root CA 4,O=Amazon,C=US

Serial Number:06:6c:9f:d7:c1:bb:10:4c:29:43:e5:71:7b:7b:2c:c8:1a:c1:0e

Subject:

CN=Amazon Root CA 4,O=Amazon,C=US

Not Valid Before: Tue May 26 00:00:00 2015

Not Valid After : Sat May 26 00:00:00 2040

Fingerprint (SHA-256):

E3:5D:28:41:9E:D0:20:25:CF:A6:90:38:CD:62:39:62:45:8D:A5:C6:95:FB:DE:A3:C2:2B:0B:FB:25:89:70:92

Fingerprint (SHA1): F6:10:84:07:D6:F8:BB:67:98:0C:C2:E2:44:C2:EB:AE:1C:EF:63:BE

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "Amazon Root CA 4"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\366\020\204\007\326\370\273\147\230\014\302\342\104\302\353\256
\034\357\143\276
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\211\274\047\325\353\027\215\006\152\151\325\375\211\107\264\315
```

END

CKA_ISSUER MULTILINE_OCTAL

```
\060\071\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\017\060\015\006\003\125\004\012\023\006\101\155\141\172\157\156
\061\031\060\027\006\003\125\004\003\023\020\101\155\141\172\157
\156\040\122\157\157\164\040\103\101\040\064
```

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

```
\002\023\006\154\237\327\301\273\020\114\051\103\345\161\173\173
\054\310\032\301\016
```

END

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

```

#
# Certificate "Symantec Class 1 Public Primary Certification Authority - G6"
#
# Issuer: CN=Symantec Class 1 Public Primary Certification Authority - G6,OU=Symantec Trust
Network,O=Symantec Corporation,C=US
# Serial Number:24:32:75:f2:1d:2f:d2:09:33:f7:b4:6a:ca:d0:f3:98
# Subject: CN=Symantec Class 1 Public Primary Certification Authority - G6,OU=Symantec Trust
Network,O=Symantec Corporation,C=US
# Not Valid Before: Tue Oct 18 00:00:00 2011
# Not Valid After : Tue Dec 01 23:59:59 2037
# Fingerprint (SHA-256):
9D:19:0B:2E:31:45:66:68:5B:E8:A8:89:E2:7A:A8:C7:D7:AE:1D:8A:AD:DB:A3:C1:EC:F9:D2:48:63:CD:34:B9
# Fingerprint (SHA1): 51:7F:61:1E:29:91:6B:53:82:FB:72:E7:44:D9:8D:C3:CC:53:6D:64
CKA_CLASS
CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Symantec Class 1 Public Primary Certification Authority - G6"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\224\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\035\060\033\006\003\125\004\012\023\024\123\171\155\141\156
\164\145\143\040\103\157\162\160\157\162\141\164\151\157\156\061
\037\060\035\006\003\125\004\013\023\026\123\171\155\141\156\164
\145\143\040\124\162\165\163\164\040\116\145\164\167\157\162\153
\061\105\060\103\006\003\125\004\003\023\074\123\171\155\141\156
\164\145\143\040\103\154\141\163\163\040\061\040\120\165\142\154
\151\143\040\120\162\151\155\141\162\171\040\103\145\162\164\151
\146\151\143\141\164\151\157\156\040\101\165\164\150\157\162\151
\164\171\040\055\040\107\066
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\201\224\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\035\060\033\006\003\125\004\012\023\024\123\171\155\141\156
\164\145\143\040\103\157\162\160\157\162\141\164\151\157\156\061
\037\060\035\006\003\125\004\013\023\026\123\171\155\141\156\164
\145\143\040\124\162\165\163\164\040\116\145\164\167\157\162\153
\061\105\060\103\006\003\125\004\003\023\074\123\171\155\141\156
\164\145\143\040\103\154\141\163\163\040\061\040\120\165\142\154
\151\143\040\120\162\151\155\141\162\171\040\103\145\162\164\151
\146\151\143\141\164\151\157\156\040\101\165\164\150\157\162\151
\164\171\040\055\040\107\066
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\020\044\062\165\362\035\057\322\011\063\367\264\152\312\320

```

\363\230

END

CKA_VALUE MULTILINE_OCTAL

\060\202\003\366\060\202\002\336\240\003\002\001\002\002\020\044
\062\165\362\035\057\322\011\063\367\264\152\312\320\363\230\060
\015\006\011\052\206\110\206\367\015\001\001\013\005\000\060\201
\224\061\013\060\011\006\003\125\004\006\023\002\125\123\061\035
\060\033\006\003\125\004\012\023\024\123\171\155\141\156\164\145
\143\040\103\157\162\160\157\162\141\164\151\157\156\061\037\060
\035\006\003\125\004\013\023\026\123\171\155\141\156\164\145\143
\040\124\162\165\163\164\040\116\145\164\167\157\162\153\061\105
\060\103\006\003\125\004\003\023\074\123\171\155\141\156\164\145
\143\040\103\154\141\163\163\040\061\040\120\165\142\154\151\143
\040\120\162\151\155\141\162\171\040\103\145\162\164\151\146\151
\143\141\164\151\157\156\040\101\165\164\150\157\162\151\164\171
\040\055\040\107\066\060\036\027\015\061\061\061\060\061\070\060
\060\060\060\060\060\132\027\015\063\067\061\062\060\061\062\063
\065\071\065\071\132\060\201\224\061\013\060\011\006\003\125\004
\006\023\002\125\123\061\035\060\033\006\003\125\004\012\023\024
\123\171\155\141\156\164\145\143\040\103\157\162\160\157\162\141
\164\151\157\156\061\037\060\035\006\003\125\004\013\023\026\123
\171\155\141\156\164\145\143\040\124\162\165\163\164\040\116\145
\164\167\157\162\153\061\105\060\103\006\003\125\004\003\023\074
\123\171\155\141\156\164\145\143\040\103\154\141\163\163\040\061
\040\120\165\142\154\151\143\040\120\162\151\155\141\162\171\040
\103\145\162\164\151\146\151\143\141\164\151\157\156\040\101\165
\164\150\157\162\151\164\171\040\055\040\107\066\060\202\001\042
\060\015\006\011\052\206\110\206\367\015\001\001\001\005\000\003
\202\001\017\000\060\202\001\012\002\202\001\001\000\307\071\327
\111\144\251\231\202\042\114\352\105\331\007\026\343\173\364\203
\350\231\163\372\153\261\066\340\232\167\240\100\302\201\215\001
\307\314\214\275\217\175\367\171\343\172\114\003\115\331\373\375
\207\070\050\054\335\232\213\124\010\333\147\373\033\214\376\050
\222\057\276\267\262\110\247\201\241\330\136\210\303\314\071\100
\101\132\321\334\345\332\020\237\057\332\001\115\375\056\106\174
\371\056\047\012\151\067\356\221\243\033\152\314\104\277\033\307
\303\324\021\262\120\140\227\011\275\056\042\365\101\204\146\237
\315\100\246\251\000\200\301\037\225\222\237\336\363\110\357\333
\035\167\141\374\177\337\356\226\244\162\320\266\076\377\170\047
\257\313\222\025\151\010\333\143\020\342\346\227\254\156\334\254
\366\242\316\036\107\231\271\211\267\022\346\241\324\315\131\021
\147\303\157\205\330\102\116\050\276\131\125\131\004\225\253\217
\067\200\277\015\360\374\037\072\144\061\130\201\170\327\342\065
\366\040\077\051\270\217\026\156\076\110\334\265\114\007\341\362
\032\352\176\012\171\326\250\275\353\135\206\053\115\002\003\001
\000\001\243\102\060\100\060\016\006\003\125\035\017\001\001\377
\004\004\003\002\001\006\060\017\006\003\125\035\023\001\001\377
\004\005\060\003\001\001\377\060\035\006\003\125\035\016\004\026

```
\004\024\063\101\350\310\071\022\025\223\110\362\226\062\056\132
\365\332\224\137\123\140\060\015\006\011\052\206\110\206\367\015
\001\001\013\005\000\003\202\001\001\000\025\343\163\127\261\027
\266\137\111\151\104\246\366\136\172\147\254\322\336\165\111\253
\376\045\125\307\072\311\104\025\020\156\277\061\153\313\331\007
\223\177\034\205\143\000\343\062\022\340\314\313\373\071\154\217
\342\123\342\074\100\063\331\244\214\107\346\255\130\373\211\257
\343\336\206\051\126\064\054\105\270\022\372\104\211\156\055\024
\045\050\044\001\145\326\352\122\254\005\156\126\022\011\075\320
\164\364\327\275\006\312\250\072\215\126\102\372\215\162\076\164
\361\003\162\337\207\033\136\016\172\125\226\054\070\267\230\205
\315\115\063\104\311\224\217\132\061\060\067\113\243\072\022\263
\347\066\321\041\150\113\055\070\346\123\256\034\045\126\010\126
\003\147\204\235\306\303\316\044\142\307\114\066\317\260\006\104
\267\365\137\002\335\331\124\351\057\220\116\172\310\116\203\100
\014\232\227\074\067\277\277\354\366\360\264\205\167\050\301\013
\310\147\202\020\027\070\242\267\006\352\233\277\072\370\351\043
\007\277\164\340\230\070\025\125\170\356\162\000\134\031\243\364
\322\063\340\377\275\321\124\071\051\017
```

END

CKA_NSS_Mozilla_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

For Email Distrust After: Wed Aug

31 00:00:00 2022

CKA_NSS_EMAIL_DISTRICT_AFTER MULTILINE_OCTAL

\062\062\060\070\063\061\060\060\060\060\060\060\132

END

Trust for "Symantec Class 1 Public Primary Certification Authority - G6"

Issuer: CN=Symantec Class 1 Public Primary Certification Authority - G6,OU=Symantec Trust
Network,O=Symantec Corporation,C=US

Serial Number:24:32:75:f2:1d:2f:d2:09:33:f7:b4:6a:ca:d0:f3:98

Subject: CN=Symantec Class 1 Public Primary Certification Authority - G6,OU=Symantec Trust
Network,O=Symantec Corporation,C=US

Not Valid Before: Tue Oct 18 00:00:00 2011

Not Valid After : Tue Dec 01 23:59:59 2037

Fingerprint (SHA-256):

9D:19:0B:2E:31:45:66:68:5B:E8:A8:89:E2:7A:A8:C7:D7:AE:1D:8A:AD:DB:A3:C1:EC:F9:D2:48:63:CD:34:B9

Fingerprint (SHA1): 51:7F:61:1E:29:91:6B:53:82:FB:72:E7:44:D9:8D:C3:CC:53:6D:64

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "Symantec Class 1 Public Primary Certification
Authority - G6"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

\121\177\141\036\051\221\153\123\202\373\162\347\104\331\215\303

```

\314\123\155\144
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\057\250\264\332\366\144\113\036\202\371\106\075\124\032\174\260
END
CKA_ISSUER MULTILINE_OCTAL
\060\201\224\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\035\060\033\006\003\125\004\012\023\024\123\171\155\141\156
\164\145\143\040\103\157\162\160\157\162\141\164\151\157\156\061
\037\060\035\006\003\125\004\013\023\026\123\171\155\141\156\164
\145\143\040\124\162\165\163\164\040\116\145\164\167\157\162\153
\061\105\060\103\006\003\125\004\003\023\074\123\171\155\141\156
\164\145\143\040\103\154\141\163\163\040\061\040\120\165\142\154
\151\143\040\120\162\151\155\141\162\171\040\103\145\162\164\151
\146\151\143\141\164\151\157\156\040\101\165\164\150\157\162\151
\164\171\040\055\040\107\066
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\044\062\165\362\035\057\322\011\063\367\264\152\312\320
\363\230
END
CKA_TRUST_SERVER_AUTH
CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "Symantec Class 2 Public Primary Certification Authority - G6"
#
# Issuer: CN=Symantec Class 2 Public Primary Certification Authority - G6,OU=Symantec Trust
Network,O=Symantec Corporation,C=US
# Serial Number:64:82:9e:fc:37:1e:74:5d:fc:97:ff:97:c8:b1:ff:41
# Subject: CN=Symantec Class 2 Public Primary Certification Authority - G6,OU=Symantec Trust
Network,O=Symantec Corporation,C=US
# Not Valid Before: Tue Oct 18 00:00:00 2011
# Not Valid After : Tue Dec 01 23:59:59 2037
# Fingerprint (SHA-256):
CB:62:7D:18:B5:8A:D5:6D:DE:33:1A:30:45:6B:C6:5C:60:1A:4E:9B:18:DE:DC:EA:08:E7:DA:AA:07:81:5F:F0
# Fingerprint (SHA1): 40:B3:31:A0:E9:BF:E8:55:BC:39:93:CA:70:4F:4E:C2:51:D4:1D:8F
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL
CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Symantec Class 2 Public Primary Certification Authority - G6"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL

```

\060\201\224\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\035\060\033\006\003\125\004\012\023\024\123\171\155\141\156
\164\145\143\040\103\157\162\160\157\162\141\164\151\157\156\061
\037\060\035\006\003\125\004\013\023\026\123\171\155\141\156\164
\145\143\040\124\162\165\163\164\040\116\145\164\167\157\162\153
\061\105\060\103\006\003\125\004\003\023\074\123\171\155\141\156
\164\145\143\040\103\154\141\163\163\040\062\040\120\165\142\154
\151\143\040\120\162\151\155\141\162\171\040\103\145\162\164\151
\146\151\143\141\164\151\157\156\040\101\165\164\150\157\162\151
\164\171\040\055\040\107\066

END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

\060\201\224\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\035\060\033\006\003\125\004\012\023\024\123\171\155\141\156
\164\145\143\040\103\157\162\160\157\162\141\164\151\157\156\061
\037\060\035\006\003\125\004\013\023\026\123\171\155\141\156\164
\145\143\040\124\162\165\163\164\040\116\145\164\167\157\162\153
\061\105\060\103\006\003\125\004\003\023\074\123\171\155\141\156
\164\145\143\040\103\154\141\163\163\040\062\040\120\165\142\154
\151\143\040\120\162\151\155\141\162\171\040\103\145\162\164\151
\146\151\143\141\164\151\157\156\040\101\165\164\150\157\162\151
\164\171\040\055\040\107\066

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

\002\020\144\202\236\374\067\036\164\135\374\227\377\227\310\261
\377\101

END

CKA_VALUE MULTILINE_OCTAL

\060\202\003\366\060\202\002\336\240\003\002\001\002\002\020\144
\202\236\374\067\036\164\135\374\227\377\227\310\261\377\101\060
\015\006\011\052\206\110\206\367\015\001\001\013\005\000\060\201
\224\061\013\060\011\006\003\125\004\006\023\002\125\123\061\035
\060\033\006\003\125\004\012\023\024\123\171\155\141\156\164\145
\143\040\103\157\162\160\157\162\141\164\151\157\156\061\037\060
\035\006\003\125\004\013\023\026\123\171\155\141\156\164\145\143
\040\124\162\165\163\164\040\116\145\164\167\157\162\153\061\105
\060\103\006\003\125\004\003\023\074\123\171\155\141\156\164\145
\143\040\103\154\141\163\163\040\062\040\120\165\142\154\151\143
\040\120\162\151\155\141\162\171\040\103\145\162\164\151\146\151
\143\141\164\151\157\156\040\101\165\164\150\157\162\151\164\171
\040\055\040\107\066\060\036\027\015\061\061\061\060\061\070\060
\060\060\060\060\060\132\027\015\063\067\061\062\060\061\062\063
\065\071\065\071\132\060\201\224\061\013\060\011\006\003\125\004
\006\023\002\125\123\061\035\060\033\006\003\125\004\012\023\024
\123\171\155\141\156\164\145\143\040\103\157\162\160\157\162\141
\164\151\157\156\061\037\060\035\006\003\125\004\013\023\026\123

\171\155\141\156\164\145\143\040\124\162\165\163\164\040\116\145
\164\167\157\162\153\061\105\060\103\006\003\125\004\003\023\074
\123\171\155\141\156\164\145\143\040\103\154\141\163\163\040\062
\040\120\165\142\154\151\143\040\120\162\151\155\141\162\171\040
\103\145\162\164\151\146\151\143\141\164\151\157\156\040\101\165
\164\150\157\162\151\164\171\040\055\040\107\066\060\202\001\042
\060\015\006\011\052\206\110\206\367\015\001\001\001\005\000\003
\202\001\017\000\060\202\001\012\002\202\001\001\000\315\314\351
\005\310\143\205\313\077\100\143\027\275\030\372\065\346\004\147
\127\145\230\051\244\117\311\134\217\017\064\322\370\332\250\023
\142\252\270\036\120\147\170\260\026\114\240\071\251\025\172\256
\355\322\242\300\360\220\067\051\030\046\134\350\015\074\266\154
\111\077\301\340\334\331\113\266\024\031\013\246\323\226\341\326
\011\343\031\046\034\371\037\145\113\371\032\103\034\000\203\326
\320\252\111\242\324\333\346\142\070\272\120\024\103\155\371\061
\370\126\026\331\070\002\221\317\353\154\335\273\071\116\231\341
\060\147\105\361\324\360\215\303\337\376\362\070\007\041\175\000
\136\126\104\263\344\140\275\221\053\234\253\133\004\162\017\262
\050\331\162\253\005\040\102\045\251\133\003\152\040\020\314\061
\360\053\332\065\054\320\373\232\227\116\360\202\113\053\330\137
\066\243\013\055\257\143\015\035\045\177\241\156\134\142\241\215
\050\076\241\374\034\040\370\001\057\272\125\232\021\260\031\322
\310\120\171\153\016\152\005\327\252\004\066\262\243\362\341\137
\167\247\167\234\345\036\334\351\337\152\301\145\135\002\003\001
\000\001\243\102\060\100\060\016\006\003\125\035\017\001\001\377
\004\004\003\002\001\006\060\017\006\003\125\035\023\001\001\377
\004\005\060\003\001\001\377\060\035\006\003\125\035\016\004\026
\004\024\207\214\040\225\310\230\112\321\326\200\006\112\220\064
\104\337\034\115\277\260\060\015\006\011\052\206\110\206\367\015
\001\001\013\005\000\003\202\001\001\000\201\216\262\245\146\226
\267\041\245\266\357\157\043\132\137\333\201\305\102\245\170\301
\151\375\364\074\327\371\134\153\160\162\032\374\132\227\115\000
\200\210\210\202\212\303\161\015\216\305\211\233\054\355\215\013
\322\162\124\365\175\324\134\103\127\351\363\256\245\002\021\366
\166\053\201\127\335\175\332\164\060\375\124\107\366\340\026\156
\246\264\012\110\346\347\165\007\017\051\031\071\316\171\364\266
\154\305\137\231\325\037\113\372\337\155\054\074\015\124\200\160
\360\210\013\200\317\306\150\242\270\035\160\331\166\214\374\356
\245\311\317\255\035\317\231\045\127\132\142\105\313\026\153\275
\111\315\245\243\214\151\171\045\256\270\114\154\213\100\146\113
\026\077\317\002\032\335\341\154\153\007\141\152\166\025\051\231
\177\033\335\210\200\301\277\265\217\163\305\246\226\043\204\246
\050\206\044\063\152\001\056\127\163\045\266\136\277\217\346\035
\141\250\100\051\147\035\207\233\035\177\233\237\231\315\061\326
\124\276\142\273\071\254\150\022\110\221\040\245\313\261\335\376
\157\374\132\344\202\125\131\257\061\251

END

CKA_NSS_MOZILLA_CA_POLICY


```
CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
# For Email Distrust After: Wed Aug 31 00:00:00 2022
CKA_NSS_EMAIL_DISTRUST_AFTER MULTILINE_OCTAL
\062\062\060\070\063\061\060\060\060\060\060\060\132
END

#
Trust for "Symantec Class 2 Public Primary Certification Authority - G6"
# Issuer: CN=Symantec Class 2 Public Primary Certification Authority - G6,OU=Symantec Trust
Network,O=Symantec Corporation,C=US
# Serial Number:64:82:9e:fc:37:1e:74:5d:fc:97:ff:97:c8:b1:ff:41
# Subject: CN=Symantec Class 2 Public Primary Certification Authority - G6,OU=Symantec Trust
Network,O=Symantec Corporation,C=US
# Not Valid Before: Tue Oct 18 00:00:00 2011
# Not Valid After : Tue Dec 01 23:59:59 2037
# Fingerprint (SHA-256):
CB:62:7D:18:B5:8A:D5:6D:DE:33:1A:30:45:6B:C6:5C:60:1A:4E:9B:18:DE:DC:EA:08:E7:DA:AA:07:81:5F:F0
# Fingerprint (SHA1): 40:B3:31:A0:E9:BF:E8:55:BC:39:93:CA:70:4F:4E:C2:51:D4:1D:8F
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Symantec Class 2 Public Primary Certification Authority - G6"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\100\263\061\240\351\277\350\125\274\071\223\312\160\117\116\302
\121\324\035\217
END
CKA_CERT_MD5_HASH
MULTILINE_OCTAL
\175\013\203\345\373\174\255\007\117\040\251\265\337\143\355\171
END
CKA_ISSUER MULTILINE_OCTAL
\060\201\224\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\035\060\033\006\003\125\004\012\023\024\123\171\155\141\156
\164\145\143\040\103\157\162\160\157\162\141\164\151\157\156\061
\037\060\035\006\003\125\004\013\023\026\123\171\155\141\156\164
\145\143\040\124\162\165\163\164\040\116\145\164\167\157\162\153
\061\105\060\103\006\003\125\004\003\023\074\123\171\155\141\156
\164\145\143\040\103\154\141\163\163\040\062\040\120\165\142\154
\151\143\040\120\162\151\155\141\162\171\040\103\145\162\164\151
\146\151\143\141\164\151\157\156\040\101\165\164\150\157\162\151
\164\171\040\055\040\107\066
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\144\202\236\374\067\036\164\135\374\227\377\227\310\261
\377\101
END
```

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CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING
CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "D-TRUST Root CA 3 2013"
#
# Issuer: CN=D-TRUST Root CA 3 2013,O=D-Trust GmbH,C=DE
# Serial Number: 1039788 (0xfddac)
# Subject: CN=D-TRUST Root CA 3 2013,O=D-Trust GmbH,C=DE
# Not Valid Before: Fri Sep 20 08:25:51 2013
# Not Valid After : Wed Sep 20 08:25:51 2028
# Fingerprint (SHA-256):
A1:A8:6D:04:12:1E:B8:7F:02:7C:66:F5:33:03:C2:8E:57:39:F9:43:FC:84:B3:8A:D6:AF:00:90:35:DD:94:57
# Fingerprint (SHA1): 6C:7C:CC:E7:D4:AE:51:5F:99:08:CD:3F:F6:E8:C3:78:DF:6F:EF:97
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "D-TRUST Root CA 3 2013"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\105\061\013\060\011\006\003\125\004\006\023\002\104\105\061
\025\060\023\006\003\125\004\012\014\014\104\055\124\162\165\163
\164\040\107\155\142\110\061\037\060\035\006\003\125\004\003\014
\026\104\055\124\122\125\123\124\040\122\157\157\164\040\103\101
\040\063\040\062\060\061\063
END
CKA_ID
UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\105\061\013\060\011\006\003\125\004\006\023\002\104\105\061
\025\060\023\006\003\125\004\012\014\014\104\055\124\162\165\163
\164\040\107\155\142\110\061\037\060\035\006\003\125\004\003\014
\026\104\055\124\122\125\123\124\040\122\157\157\164\040\103\101
\040\063\040\062\060\061\063
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\003\017\335\254
END
CKA_VALUE MULTILINE_OCTAL
\060\202\004\016\060\202\002\366\240\003\002\001\002\002\003\017
\335\254\060\015\006\011\052\206\110\206\367\015\001\001\013\005
\000\060\105\061\013\060\011\006\003\125\004\006\023\002\104\105
\061\025\060\023\006\003\125\004\012\014\014\104\055\124\162\165
\163\164\040\107\155\142\110\061\037\060\035\006\003\125\004\003

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\014\026\104\055\124\122\125\123\124\040\122\157\157\164\040\103
\101\040\063\040\062\060\061\063\060\036\027\015\061\063\060\071
\062\060\060\070\062\065\065\061\132\027\015\062\070\060\071\062
\060\060\070\062\065\065\061\132\060\105\061\013\060\011\006\003
\125\004\006\023\002\104\105\061\025\060\023\006\003\125\004\012
\014\014\104\055\124\162\165\163\164\040\107\155\142\110\061\037
\060\035\006\003\125\004\003\014\026\104\055\124\122\125\123\124
\040\122\157\157\164\040\103\101\040\063\040\062\060\061\063\060
\202\001\042\060\015\006\011\052\206\110\206\367\015\001\001\001
\005\000\003\202\001\017\000\060\202\001\012\002\202\001\001\000
\304\173\102\222\202\037\354\355\124\230\216\022\300\312\011\337
\223\156\072\223\134\033\344\020\167\236\116\151\210\154\366\341
\151\362\366\233\242\141\261\275\007\040\164\230\145\361\214\046
\010\315\250\065\312\200\066\321\143\155\350\104\172\202\303\154
\136\336\273\350\066\322\304\150\066\214\237\062\275\204\042\340
\334\302\356\020\106\071\155\257\223\071\256\207\346\303\274\011
\311\054\153\147\133\331\233\166\165\114\013\340\273\305\327\274
\076\171\362\137\276\321\220\127\371\256\366\146\137\061\277\323
\155\217\247\272\112\363\043\145\273\267\357\243\045\327\012\352
\130\266\357\210\372\372\171\262\122\130\325\360\254\214\241\121
\164\051\225\252\121\073\220\062\003\237\034\162\164\220\336\075
\355\141\322\345\343\375\144\107\345\271\267\112\251\367\037\256
\226\206\004\254\057\343\244\201\167\267\132\026\377\330\017\077
\366\267\170\314\244\257\372\133\074\022\133\250\122\211\162\357
\210\363\325\104\201\206\225\043\237\173\335\274\331\064\357\174
\224\074\252\300\101\302\343\235\120\032\300\344\031\042\374\263
\002\003\001\000\001\243\202\001\005\060\202\001\001\060\017\006
\003\125\035\023\001\001\377\004\005\060\003\001\001\377\060\035
\006\003\125\035\016\004\026\004\024\077\220\310\175\307\025\157
\363\044\217\251\303\057\113\242\017\041\262\057\347\060\016\006
\003\125\035\017\001\001\377\004\004\003\002\001\006\060\201\276
\006\003\125\035\037\004\201\266\060\201\263\060\164\240\162\240
\160\206\156\154\144\141\160\072\057\057\144\151\162\145\143\164
\157\162\171\056\144\055\164\162\165\163\164\056\156\145\164\057
\103\116\075\104\055\124\122\125\123\124\045\062\060\122\157\157
\164\045\062\060\103\101\045\062\060\063\045\062\060\062\060\061
\063\054\117\075\104\055\124\162\165\163\164\045\062\060\107\155
\142\110\054\103\075\104\105\077\143\145\162\164\151\146\151\143
\141\164\145\162\145\166\157\143\141\164\151\157\156\154\151\163
\164\060\073\240\071\240\067\206\065\150\164\164\160\072\057\057
\143\162\154\056\144\055\164\162\165\163\164\056\156\145\164\057
\143\162\154\057\144\055\164\162\165\163\164\137\162\157\157\164
\137\143\141\137\063\137\062\060\061\063\056\143\162\154\060\015
\006\011\052\206\110\206\367\015\001\001\013\005\000\003\202\001
\001\000\016\131\016\130\344\164\110\043\104\317\064\041\265\234
\024\032\255\232\113\267\263\210\155\134\251\027\160\360\052\237
\215\173\371\173\205\372\307\071\350\020\010\260\065\053\137\317
\002\322\323\234\310\013\036\356\005\124\256\067\223\004\011\175

```
\154\217\302\164\274\370\034\224\276\061\001\100\055\363\044\040
\267\204\125\054\134\310\365\164\112\020\031\213\243\307\355\065
\326\011\110\323\016\300\272\071\250\260\106\002\260\333\306\210
\131\302\276\374\173\261\053\317\176\142\207\125\226\314\001\157
\233\147\041\225\065\213\370\020\374\161\033\267\113\067\151\246
\073\326\354\213\356\301\260\363\045\311\217\222\175\241\352\303
\312\104\277\046\245\164\222\234\343\164\353\235\164\331\313\115
\207\330\374\264\151\154\213\240\103\007\140\170\227\351\331\223
\174\302\106\274\233\067\122\243\355\212\074\023\251\173\123\113
\111\232\021\005\054\013\156\126\254\037\056\202\154\340\151\147
\265\016\155\055\331\344\300\025\361\077\372\030\162\341\025\155
\047\133\055\060\050\053\237\110\232\144\053\231\357\362\165\111
\137\134
```

END

CKA_NSS_Mozilla_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "D-TRUST Root CA 3 2013"

Issuer: CN=D-TRUST Root

CA 3 2013,O=D-Trust GmbH,C=DE

Serial Number: 1039788 (0xfddac)

Subject: CN=D-TRUST Root CA 3 2013,O=D-Trust GmbH,C=DE

Not Valid Before: Fri Sep 20 08:25:51 2013

Not Valid After : Wed Sep 20 08:25:51 2028

Fingerprint (SHA-256):

A1:A8:6D:04:12:1E:B8:7F:02:7C:66:F5:33:03:C2:8E:57:39:F9:43:FC:84:B3:8A:D6:AF:00:90:35:DD:94:57

Fingerprint (SHA1): 6C:7C:CC:E7:D4:AE:51:5F:99:08:CD:3F:F6:E8:C3:78:DF:6F:EF:97

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "D-TRUST Root CA 3 2013"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\154\174\314\347\324\256\121\137\231\010\315\077\366\350\303\170
\337\157\357\227
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\267\042\146\230\176\326\003\340\301\161\346\165\315\126\105\277
```

END

CKA_ISSUER MULTILINE_OCTAL

```
\060\105\061\013\060\011\006\003\125\004\006\023\002\104\105\061
\025\060\023\006\003\125\004\012\014\014\104\055\124\162\165\163
\164\040\107\155\142\110\061\037\060\035\006\003\125\004\003\014
\026\104\055\124\122\125\123\124\040\122\157\157\164\040\103\101
\040\063\040\062\060\061\063
```

END

```

CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\003\017\335\254
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "TUBITAK Kamu SM SSL Kok Sertifikasi - Surum 1"
#
# Issuer: CN=TUBITAK Kamu SM SSL Kok Sertifikasi - Surum 1,OU=Kamu Sertifikasyon Merkezi - Kamu
SM,O=Turkiye Bilimsel ve Teknolojik Arastirma Kurumu - TUBITAK,L=Gebze - Kocaeli,C=TR
# Serial Number: 1 (0x1)
# Subject: CN=TUBITAK Kamu SM SSL Kok Sertifikasi - Surum 1,OU=Kamu Sertifikasyon Merkezi - Kamu
SM,O=Turkiye Bilimsel ve Teknolojik Arastirma Kurumu - TUBITAK,L=Gebze - Kocaeli,C=TR
# Not Valid Before: Mon Nov 25 08:25:55 2013
# Not Valid After : Sun Oct 25 08:25:55 2043
# Fingerprint (SHA-256):
46:ED:C3:68:90:46:D5:3A:45:3F:B3:10:4A:B8:0D:CA:EC:65:8B:26:60:EA:16:29:DD:7E:86:79:90:64:87:16
#
Fingerprint (SHA1): 31:43:64:9B:EC:CE:27:EC:ED:3A:3F:0B:8F:0D:E4:E8:91:DD:EE:CA
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "TUBITAK Kamu SM SSL Kok Sertifikasi - Surum 1"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\322\061\013\060\011\006\003\125\004\006\023\002\124\122
\061\030\060\026\006\003\125\004\007\023\017\107\145\142\172\145
\040\055\040\113\157\143\141\145\154\151\061\102\060\100\006\003
\125\004\012\023\071\124\165\162\153\151\171\145\040\102\151\154
\151\155\163\145\154\040\166\145\040\124\145\153\156\157\154\157
\152\151\153\040\101\162\141\163\164\151\162\155\141\040\113\165
\162\165\155\165\040\055\040\124\125\102\111\124\101\113\061\055
\060\053\006\003\125\004\013\023\044\113\141\155\165\040\123\145
\162\164\151\146\151\153\141\163\171\157\156\040\115\145\162\153
\145\172\151\040\055\040\113\141\155\165\040\123\115\061\066\060
\064\006\003\125\004\003\023\055\124\125\102\111\124\101\113\040
\113\141\155\165\040\123\115\040\123\123\114\040\113\157\153\040
\123\145\162\164\151\146\151\153\141\163\151\040\055\040\123\165
\162\165\155\040\061
END
CKA_ID
UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL

```

\060\201\322\061\013\060\011\006\003\125\004\006\023\002\124\122
\061\030\060\026\006\003\125\004\007\023\017\107\145\142\172\145
\040\055\040\113\157\143\141\145\154\151\061\102\060\100\006\003
\125\004\012\023\071\124\165\162\153\151\171\145\040\102\151\154
\151\155\163\145\154\040\166\145\040\124\145\153\156\157\154\157
\152\151\153\040\101\162\141\163\164\151\162\155\141\040\113\165
\162\165\155\165\040\055\040\124\125\102\111\124\101\113\061\055
\060\053\006\003\125\004\013\023\044\113\141\155\165\040\123\145
\162\164\151\146\151\153\141\163\171\157\156\040\115\145\162\153
\145\172\151\040\055\040\113\141\155\165\040\123\115\061\066\060
\064\006\003\125\004\003\023\055\124\125\102\111\124\101\113\040
\113\141\155\165\040\123\115\040\123\123\114\040\113\157\153\040
\123\145\162\164\151\146\151\153\141\163\151\040\055\040\123\165
\162\165\155\040\061

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

\002\001\001

END

CKA_VALUE MULTILINE_OCTAL

\060\202\004\143\060\202\003\113\240\003\002\001\002\002\001\001
\060\015\006\011\052\206\110\206\367\015\001\001\013\005\000\060
\201\322\061\013\060\011\006\003\125\004\006\023\002\124\122\061
\030\060\026\006\003\125\004\007\023\017\107\145\142\172\145\040
\055\040\113\157\143\141\145\154\151\061\102\060\100\006\003\125
\004\012\023\071\124\165\162\153\151\171\145\040\102\151\154\151
\155\163\145\154\040\166\145\040\124\145\153\156\157\154\157\152
\151\153\040\101\162\141\163\164\151\162\155\141\040\113\165\162
\165\155\165\040\055\040\124\125\102\111\124\101\113\061\055\060
\053\006\003\125\004\013\023\044\113\141\155\165\040\123\145\162
\164\151\146\151\153\141\163\171\157\156\040\115\145\162\153\145
\172\151\040\055\040\113\141\155\165\040\123\115\061\066\060\064
\006\003\125\004\003\023\055\124\125\102\111\124\101\113\040\113
\141\155\165\040\123\115\040\123\123\114\040\113\157\153\040\123
\145\162\164\151\146\151\153\141\163\151\040\055\040\123\165\162
\165\155\040\061\060\036\027\015\061\063\061\061\062\065\060\070
\062\065\065\065\132\027\015\064\063\061\060\062\065\060\070\062
\065\065\065\132\060\201\322\061\013\060\011\006\003\125\004\006
\023\002\124\122\061\030\060\026\006\003\125\004\007\023\017\107
\145\142\172\145\040\055\040\113\157\143\141\145\154\151\061\102
\060\100\006\003\125\004\012\023\071\124\165\162\153\151\171\145
\040\102\151\154\151\155\163\145\154\040\166\145\040\124\145\153
\156\157\154\157\152\151\153\040\101\162\141\163\164\151\162\155
\141\040\113\165\162\165\155\165\040\055\040\124\125\102\111\124
\101\113\061\055\060\053\006\003\125\004\013\023\044\113\141\155
\165\040\123\145\162\164\151\146\151\153\141\163\171\157\156\040
\115\145\162\153\145\172\151\040\055\040\113\141\155\165\040\123
\115\061\066\060\064\006\003\125\004\003\023\055\124\125\102\111

\124\101\113\040\113\141\155\165\040\123\115\040\123\123\114\040
\113\157\153\040\123\145\162\164\151\146\151\153\141\163\151\040
\055\040\123\165\162\165\155\040\061\060\202\001\042\060\015\006
\011\052\206\110\206\367\015\001\001\001\005\000\003\202\001\017
\000\060\202\001\012\002\202\001\001\000\257\165\060\063\252\273
\153\323\231\054\022\067\204\331\215\173\227\200\323\156\347\377
\233\120\225\076\220\225\126\102\327\031\174\046\204\215\222\372
\001\035\072\017\342\144\070\267\214\274\350\210\371\213\044\253
\056\243\365\067\344\100\216\030\045\171\203\165\037\073\377\154
\250\305\306\126\370\264\355\212\104\243\253\154\114\374\035\320
\334\357\150\275\317\344\252\316\360\125\367\242\064\324\203\153
\067\174\034\302\376\265\003\354\127\316\274\264\265\305\355\000
\017\123\067\052\115\364\117\014\203\373\206\317\313\376\214\116
\275\207\371\247\213\041\127\234\172\337\003\147\211\054\235\227
\141\247\020\270\125\220\177\016\055\047\070\164\337\347\375\332
\116\022\343\115\025\042\002\310\340\340\374\017\255\212\327\311
\124\120\314\073\017\312\026\200\204\320\121\126\303\216\126\177
\211\042\063\057\346\205\012\275\245\250\033\066\336\323\334\054
\155\073\307\023\275\131\043\054\346\345\244\367\330\013\355\352
\220\100\104\250\225\273\223\325\320\200\064\266\106\170\016\037
\000\223\106\341\356\351\371\354\117\027\002\003\001\000\001\243
\102\060\100\060\035\006\003\125\035\016\004\026\004\024\145\077
\307\212\206\306\074\335\074\124\134\065\370\072\355\122\014\107
\127\310\060\016\006\003\125\035\017\001\001\377\004\004\003\002
\001\006\060\017\006\003\125\035\023\001\001\377\004\005\060\003
\001\001\377\060\015\006\011\052\206\110\206\367\015\001\001\013
\005\000\003\202\001\001\000\052\077\341\361\062\216\256\341\230
\134\113\136\317\153\036\152\011\322\042\251\022\307\136\127\175
\163\126\144\200\204\172\223\344\011\271\020\315\237\052\047\341
\000\167\276\110\310\065\250\201\237\344\270\054\311\177\016\260
\322\113\067\135\352\271\325\013\136\064\275\364\163\051\303\355
\046\025\234\176\010\123\212\130\215\320\113\050\337\301\263\337
\040\363\371\343\343\072\337\314\234\224\330\116\117\303\153\027
\267\367\162\350\255\146\063\265\045\123\253\340\370\114\251\235
\375\362\015\272\256\271\331\252\306\153\371\223\273\256\253\270
\227\074\003\032\272\103\306\226\271\105\162\070\263\247\241\226
\075\221\173\176\300\041\123\114\207\355\362\013\124\225\121\223
\325\042\245\015\212\361\223\016\076\124\016\260\330\311\116\334
\362\061\062\126\352\144\371\352\265\235\026\146\102\162\363\177
\323\261\061\103\374\244\216\027\361\155\043\253\224\146\370\255
\373\017\010\156\046\055\177\027\007\011\262\214\373\120\300\237
\226\215\317\266\375\000\235\132\024\232\277\002\104\365\301\302
\237\042\136\242\017\241\343

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL

CK_FALSE

```
# Trust for "TUBITAK Kamu SM SSL Kok Sertifikasi - Surum 1"
# Issuer: CN=TUBITAK Kamu SM SSL Kok Sertifikasi - Surum 1,OU=Kamu Sertifikasyon Merkezi - Kamu
SM,O=Turkiye Bilimsel ve Teknolojik Arastirma Kurumu - TUBITAK,L=Gebze - Kocaeli,C=TR
# Serial Number: 1 (0x1)
# Subject: CN=TUBITAK Kamu SM SSL Kok Sertifikasi - Surum 1,OU=Kamu Sertifikasyon Merkezi - Kamu
SM,O=Turkiye Bilimsel ve Teknolojik Arastirma Kurumu - TUBITAK,L=Gebze - Kocaeli,C=TR
# Not Valid Before: Mon Nov 25 08:25:55 2013
# Not Valid After : Sun Oct 25 08:25:55 2043
# Fingerprint (SHA-256):
46:ED:C3:68:90:46:D5:3A:45:3F:B3:10:4A:B8:0D:CA:EC:65:8B:26:60:EA:16:29:DD:7E:86:79:90:64:87:16
# Fingerprint (SHA1): 31:43:64:9B:EC:CE:27:EC:ED:3A:3F:0B:8F:0D:E4:E8:91:DD:EE:CA
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "TUBITAK Kamu SM SSL Kok Sertifikasi - Surum 1"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\061\103\144\233\354\316\047\354\355\072\077\013\217\015\344\350
\221\335\356\312
END
CKA_CERT_MD5_HASH
MULTILINE_OCTAL
\334\000\201\334\151\057\076\057\260\073\366\075\132\221\216\111
END
CKA_ISSUER MULTILINE_OCTAL
\060\201\322\061\013\060\011\006\003\125\004\006\023\002\124\122
\061\030\060\026\006\003\125\004\007\023\017\107\145\142\172\145
\040\055\040\113\157\143\141\145\154\151\061\102\060\100\006\003
\125\004\012\023\071\124\165\162\153\151\171\145\040\102\151\154
\151\155\163\145\154\040\166\145\040\124\145\153\156\157\154\157
\152\151\153\040\101\162\141\163\164\151\162\155\141\040\113\165
\162\165\155\165\040\055\040\124\125\102\111\124\101\113\061\055
\060\053\006\003\125\004\013\023\044\113\141\155\165\040\123\145
\162\164\151\146\151\153\141\163\171\157\156\040\115\145\162\153
\145\172\151\040\055\040\113\141\155\165\040\123\115\061\066\060
\064\006\003\125\004\003\023\055\124\125\102\111\124\101\113\040
\113\141\155\165\040\123\115\040\123\123\114\040\113\157\153\040
\123\145\162\164\151\146\151\153\141\163\151\040\055\040\123\165
\162\165\155\040\061
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\001\001
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
```


CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#

Certificate "GDCA TrustAUTH R5 ROOT"

#

Issuer: CN=GDCA TrustAUTH R5 ROOT,O="GUANG DONG CERTIFICATE AUTHORITY
CO.,LTD.",C=CN

Serial Number:7d:09:97:fe:f0:47:ea:7a

Subject: CN=GDCA TrustAUTH R5 ROOT,O="GUANG DONG CERTIFICATE AUTHORITY
CO.,LTD.",C=CN

Not Valid Before: Wed Nov 26 05:13:15 2014

Not Valid After : Mon Dec 31 15:59:59 2040

Fingerprint (SHA-256):

BF:FF:8F:D0:44:33:48:7D:6A:8A:A6:0C:1A:29:76:7A:9F:C2:BB:B0:5E:42:0F:71:3A:13:B9:92:89:1D:38:93

Fingerprint (SHA1): 0F:36:38:5B:81:1A:25:C3:9B:31:4E:83:CA:E9:34:66:70:CC:74:B4

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE

CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "GDCA TrustAUTH R5 ROOT"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL

\060\142\061\013\060\011\006\003\125\004\006\023\002\103\116\061
\062\060\060\006\003\125\004\012\014\051\107\125\101\116\107\040
\104\117\116\107\040\103\105\122\124\111\106\111\103\101\124\105
\040\101\125\124\110\117\122\111\124\131\040\103\117\056\054\114
\124\104\056\061\037\060\035\006\003\125\004\003\014\026\107\104
\103\101\040\124\162\165\163\164\101\125\124\110\040\122\065\040
\122\117\117\124

END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

\060\142\061\013\060\011\006\003\125\004\006\023\002\103\116\061
\062\060\060\006\003\125\004\012\014\051\107\125\101\116\107\040
\104\117\116\107\040\103\105\122\124\111\106\111\103\101\124\105
\040\101\125\124\110\117\122\111\124\131\040\103\117\056\054\114
\124\104\056\061\037\060\035\006\003\125\004\003\014\026\107\104
\103\101\040\124\162\165\163\164\101\125\124\110\040\122\065\040
\122\117\117\124

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

\002\010\175\011\227\376\360\107\352\172

END

CKA_VALUE MULTILINE_OCTAL

\060\202\005\210\060\202\003\160\240\003\002\001\002\002\010\175

\011\227\376\360\107\352\172\060\015\006\011\052\206\110\206\367
\015\001\001\013\005\000\060\142\061\013\060\011\006\003\125\004
\006\023\002\103\116\061\062\060\060\006\003\125\004\012\014\051
\107\125\101\116\107\040\104\117\116\107\040\103\105\122\124\111
\106\111\103\101\124\105\040\101\125\124\110\117\122\111\124\131
\040\103\117\056\054\114\124\104\056\061\037\060\035\006\003\125
\004\003\014\026\107\104\103\101\040\124\162\165\163\164\101\125
\124\110\040\122\065\040\122\117\117\124\060\036\027\015\061\064
\061\061\062\066\060\065\061\063\061\065\132\027\015\064\060\061
\062\063\061\061\065\065\071\065\071\132\060\142\061\013\060\011
\006\003\125\004\006\023\002\103\116\061\062\060\060\006\003\125
\004\012\014\051\107\125\101\116\107\040\104\117\116\107\040\103
\105\122\124\111\106\111\103\101\124\105\040\101\125\124\110\117
\122\111\124\131\040\103\117\056\054\114\124\104\056\061\037\060
\035\006\003\125\004\003\014\026\107\104\103\101\040\124\162\165
\163\164\101\125\124\110\040\122\065\040\122\117\117\124\060\202
\002\042\060\015\006\011\052\206\110\206\367\015\001\001\001\005
\000\003\202\002\017\000\060\202\002\012\002\202\002\001\000\331
\243\026\360\310\164\164\167\233\357\063\015\073\006\176\125\374
\265\140\217\166\206\022\102\175\126\146\076\210\202\355\162\143
\016\236\213\335\064\054\002\121\121\303\031\375\131\124\204\311
\361\153\263\114\260\351\350\106\135\070\306\242\247\056\021\127
\272\202\025\242\234\217\155\260\231\112\012\362\353\211\160\143
\116\171\304\267\133\275\242\135\261\362\101\002\053\255\251\072
\243\354\171\012\354\137\072\343\375\357\200\074\255\064\233\032
\253\210\046\173\126\242\202\206\037\353\065\211\203\177\137\256
\051\116\075\266\156\354\256\301\360\047\233\256\343\364\354\357
\256\177\367\206\075\162\172\353\245\373\131\116\247\353\225\214
\042\071\171\341\055\010\217\314\274\221\270\101\367\024\301\043
\251\303\255\232\105\104\263\262\327\054\315\306\051\342\120\020
\256\134\313\202\216\027\030\066\175\227\346\210\232\260\115\064
\011\364\054\271\132\146\052\260\027\233\236\036\166\235\112\146
\061\101\337\077\373\305\006\357\033\266\176\032\106\066\367\144
\143\073\343\071\030\043\347\147\165\024\325\165\127\222\067\275
\276\152\033\046\120\362\066\046\006\220\305\160\001\144\155\166
\146\341\221\333\156\007\300\141\200\056\262\056\057\214\160\247
\321\073\074\263\221\344\156\266\304\073\160\362\154\222\227\011
\315\107\175\030\300\363\273\236\017\326\213\256\007\266\132\017
\316\013\014\107\247\345\076\270\275\175\307\233\065\240\141\227
\072\101\165\027\314\053\226\167\052\222\041\036\331\225\166\040
\147\150\317\015\275\337\326\037\011\152\232\342\314\163\161\244
\057\175\022\200\267\123\060\106\136\113\124\231\017\147\311\245
\310\362\040\301\202\354\235\021\337\302\002\373\032\073\321\355
\040\232\357\145\144\222\020\015\052\342\336\160\361\030\147\202
\214\141\336\270\274\321\057\234\373\017\320\053\355\033\166\271
\344\071\125\370\370\241\035\270\252\200\000\114\202\347\262\177
\011\270\274\060\240\057\015\365\122\236\216\367\222\263\012\000
\035\000\124\227\006\340\261\007\331\307\017\134\145\175\074\155

\131\127\344\355\245\215\351\100\123\237\025\113\240\161\366\032
\041\343\332\160\006\041\130\024\207\205\167\171\252\202\171\002
\003\001\000\001\243\102\060\100\060\035\006\003\125\035\016\004
\026\004\024\342\311\100\237\115\316\350\232\241\174\317\016\077
\145\305\051\210\152\031\121\060\017\006\003\125\035\023\001\001
\377\004\005\060\003\001\001\377\060\016\006\003\125\035\017\001
\001\377\004\004\003\002\001\206\060\015\006\011\052\206\110\206
\367\015\001\001\013\005\000\003\202\002\001\000\321\111\127\340
\247\314\150\130\272\001\017\053\031\315\215\260\141\105\254\021
\355\143\120\151\370\037\177\276\026\217\375\235\353\013\252\062
\107\166\322\147\044\355\275\174\063\062\227\052\307\005\206\146
\015\027\175\024\025\033\324\353\375\037\232\366\136\227\151\267
\032\045\244\012\263\221\077\137\066\254\213\354\127\250\076\347
\201\212\030\127\071\205\164\032\102\307\351\133\023\137\217\371
\010\351\222\164\215\365\107\322\253\073\326\373\170\146\116\066
\175\371\351\222\351\004\336\375\111\143\374\155\373\024\161\223
\147\057\107\112\267\271\377\036\052\163\160\106\060\277\132\362
\057\171\245\341\215\014\331\371\262\143\067\214\067\145\205\160
\152\134\133\011\162\271\255\143\074\261\335\370\374\062\277\067
\206\344\273\216\230\047\176\272\037\026\341\160\021\362\003\337
\045\142\062\047\046\030\062\204\237\377\000\072\023\272\232\115
\364\117\270\024\160\042\261\312\053\220\316\051\301\160\364\057
\235\177\362\220\036\326\132\337\267\106\374\346\206\372\313\340
\040\166\172\272\246\313\365\174\336\142\245\261\213\356\336\202
\146\212\116\072\060\037\077\200\313\255\047\272\014\136\327\320
\261\126\312\167\161\262\265\165\241\120\251\100\103\027\302\050
\331\317\122\213\133\310\143\324\102\076\240\063\172\106\056\367
\012\040\106\124\176\152\117\061\361\201\176\102\164\070\145\163
\047\356\306\174\270\216\327\245\072\327\230\241\234\214\020\125
\323\333\113\354\100\220\362\315\156\127\322\142\016\174\127\223
\261\247\155\315\235\203\273\052\347\345\266\073\161\130\255\375
\321\105\274\132\221\356\123\025\157\323\105\011\165\156\272\220
\135\036\004\317\067\337\036\250\146\261\214\346\040\152\357\374
\110\116\164\230\102\257\051\157\056\152\307\373\175\321\146\061
\042\314\206\000\176\146\203\014\102\364\275\064\222\303\032\352
\117\312\176\162\115\013\160\214\246\110\273\246\241\024\366\373
\130\104\231\024\256\252\013\223\151\240\051\045\112\245\313\053
\335\212\146\007\026\170\025\127\161\033\354\365\107\204\363\236
\061\067\172\325\177\044\255\344\274\375\375\314\156\203\350\014
\250\267\101\154\007\335\275\074\206\227\057\322

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER

CK_BBOOL CK_FALSE

Trust for "GDCA TrustAUTH R5 ROOT"

```
# Issuer: CN=GDCA TrustAUTH R5 ROOT,O="GUANG DONG CERTIFICATE AUTHORITY
CO.,LTD.",C=CN
# Serial Number:7d:09:97:fe:f0:47:ea:7a
# Subject: CN=GDCA TrustAUTH R5 ROOT,O="GUANG DONG CERTIFICATE AUTHORITY
CO.,LTD.",C=CN
# Not Valid Before: Wed Nov 26 05:13:15 2014
# Not Valid After : Mon Dec 31 15:59:59 2040
# Fingerprint (SHA-256):
BF:FF:8F:D0:44:33:48:7D:6A:8A:A6:0C:1A:29:76:7A:9F:C2:BB:B0:5E:42:0F:71:3A:13:B9:92:89:1D:38:93
# Fingerprint (SHA1): 0F:36:38:5B:81:1A:25:C3:9B:31:4E:83:CA:E9:34:66:70:CC:74:B4
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "GDCA TrustAUTH R5 ROOT"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\017\066\070\133\201\032\045\303\233\061\116\203\312\351\064\146
\160\314\164\264
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\143\314\331\075\064\065\134\157\123\243\342\010\160\110\037\264
END
CKA_ISSUER MULTILINE_OCTAL
\060\142\061\013\060\011\006\003\125\004\006\023\002\103\116\061
\062\060\060\006\003\125\004\012\014\051\107\125\101\116\107\040
\104\117\116\107\040\103\105\122\124\111\106\111\103\101\124\105
\040\101\125\124\110\117\122\111\124\131\040\103\117\056\054\114
\124\104\056\061\037\060\035\006\003\125\004\003\014\026\107\104
\103\101\040\124\162\165\163\164\101\125\124\110\040\122\065\040
\122\117\117\124
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\010\175\011\227\376\360\107\352\172
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "TrustCor RootCert CA-1"
#
# Issuer: CN=TrustCor RootCert CA-1,OU=TrustCor Certificate Authority,O=TrustCor Systems S. de
R.L.,L=Panama City,ST=Panama,C=PA
# Serial Number:00:da:9b:ec:71:f3:03:b0:19
# Subject: CN=TrustCor RootCert CA-1,OU=TrustCor Certificate Authority,O=TrustCor
```

```
Systems S. de R.L.,L=Panama City,ST=Panama,C=PA
# Not Valid Before: Thu Feb 04 12:32:16 2016
# Not Valid After : Mon Dec 31 17:23:16 2029
# Fingerprint (SHA-256):
D4:0E:9C:86:CD:8F:E4:68:C1:77:69:59:F4:9E:A7:74:FA:54:86:84:B6:C4:06:F3:90:92:61:F4:DC:E2:57:5C
# Fingerprint (SHA1): FF:BD:CD:E7:82:C8:43:5E:3C:6F:26:86:5C:CA:A8:3A:45:5B:C3:0A
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "TrustCor RootCert CA-1"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\244\061\013\060\011\006\003\125\004\006\023\002\120\101
\061\017\060\015\006\003\125\004\010\014\006\120\141\156\141\155
\141\061\024\060\022\006\003\125\004\007\014\013\120\141\156\141
\155\141\040\103\151\164\171\061\044\060\042\006\003\125\004\012
\014\033\124\162\165\163\164\103\157\162\040\123\171\163\164\145
\155\163\040\123\056\040\144\145\040\122\056\114\056\061\047\060
\045\006\003\125\004\013\014\036\124\162\165\163\164\103\157\162
\040\103\145\162\164\151\146\151\143\141\164\145\040\101\165\164
\150\157\162\151\164\171\061\037\060\035\006\003\125\004\003\014
\026\124\162\165\163\164\103\157\162\040\122\157\157\164\103\145
\162\164\040\103\101\055\061
END
CKA_ID
UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\201\244\061\013\060\011\006\003\125\004\006\023\002\120\101
\061\017\060\015\006\003\125\004\010\014\006\120\141\156\141\155
\141\061\024\060\022\006\003\125\004\007\014\013\120\141\156\141
\155\141\040\103\151\164\171\061\044\060\042\006\003\125\004\012
\014\033\124\162\165\163\164\103\157\162\040\123\171\163\164\145
\155\163\040\123\056\040\144\145\040\122\056\114\056\061\047\060
\045\006\003\125\004\013\014\036\124\162\165\163\164\103\157\162
\040\103\145\162\164\151\146\151\143\141\164\145\040\101\165\164
\150\157\162\151\164\171\061\037\060\035\006\003\125\004\003\014
\026\124\162\165\163\164\103\157\162\040\122\157\157\164\103\145
\162\164\040\103\101\055\061
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\011\000\332\233\354\161\363\003\260\031
END
CKA_VALUE MULTILINE_OCTAL
\060\202\004\060\060\202\003\030\240\003\002\001\002\002\011\000
\332\233\354\161\363\003\260\031\060\015\006\011\052\206\110\206
\367\015\001\001\013\005\000\060\201\244\061\013\060\011\006\003
```

\125\004\006\023\002\120\101\061\017\060\015\006\003\125\004\010
\014\006\120\141\156\141\155\141\061\024\060\022\006\003\125\004
\007\014\013\120\141\156\141\155\141\040\103\151\164\171\061\044
\060\042\006\003\125\004\012\014\033\124\162\165\163\164\103\157
\162\040\123\171\163\164\145\155\163\040\123\056\040\144\145\040
\122\056\114\056\061\047\060\045\006\003\125\004\013\014\036\124
\162\165\163\164\103\157\162\040\103\145\162\164\151\146\151\143
\141\164\145\040\101\165\164\150\157\162\151\164\171\061\037\060
\035\006\003\125\004\003\014\026\124\162\165\163\164\103\157\162
\040\122\157\157\164\103\145\162\164\040\103\101\055\061\060\036
\027\015\061\066\060\062\060\064\061\062\063\062\061\066\132\027
\015\062\071\061\062\063\061\061\067\062\063\061\066\132\060\201
\244\061\013\060\011\006\003\125\004\006\023\002\120\101\061\017
\060\015\006\003\125\004\010\014\006\120\141\156\141\155\141\061
\024\060\022\006\003\125\004\007\014\013\120\141\156\141\155\141
\040\103\151\164\171\061\044\060\042\006\003\125\004\012\014\033
\124\162\165\163\164\103\157\162\040\123\171\163\164\145\155\163
\040\123\056\040\144\145\040\122\056\114\056\061\047\060\045\006
\003\125\004\013\014\036\124\162\165\163\164\103\157\162\040\103
\145\162\164\151\146\151\143\141\164\145\040\101\165\164\150\157
\162\151\164\171\061\037\060\035\006\003\125\004\003\014\026\124
\162\165\163\164\103\157\162\040\122\157\157\164\103\145\162\164
\040\103\101\055\061\060\202\001\042\060\015\006\011\052\206\110
\206\367\015\001\001\001\005\000\003\202\001\017\000\060\202\001
\012\002\202\001\001\000\277\216\267\225\342\302\046\022\153\063
\031\307\100\130\012\253\131\252\215\000\243\374\200\307\120\173
\216\324\040\046\272\062\022\330\043\124\111\045\020\042\230\235
\106\322\301\311\236\116\033\056\054\016\070\363\032\045\150\034
\246\132\005\346\036\213\110\277\230\226\164\076\151\312\351\265
\170\245\006\274\325\000\136\011\012\362\047\172\122\374\055\325
\261\352\264\211\141\044\363\032\023\333\251\317\122\355\014\044
\272\271\236\354\176\000\164\372\223\255\154\051\222\256\121\264
\273\323\127\277\263\363\250\215\234\364\044\113\052\326\231\236
\364\236\376\300\176\102\072\347\013\225\123\332\267\150\016\220
\114\373\160\077\217\112\054\224\363\046\335\143\151\251\224\330
\020\116\305\107\010\220\231\033\027\115\271\154\156\357\140\225
\021\216\041\200\265\275\240\163\330\320\262\167\304\105\352\132
\046\373\146\166\166\370\006\037\141\155\017\125\305\203\267\020
\126\162\006\007\245\363\261\032\003\005\144\016\235\132\212\326
\206\160\033\044\336\376\050\212\053\320\152\260\374\172\242\334
\262\171\016\213\145\017\002\003\001\000\001\243\143\060\141\060
\035\006\003\125\035\016\004\026\004\024\356\153\111\074\172\077
\015\343\261\011\267\212\310\253\031\237\163\063\120\347\060\037
\006\003\125\035\043\004\030\060\026\200\024\356\153\111\074\172
\077\015\343\261\011\267\212\310\253\031\237\163\063\120\347\060
\017\006\003\125\035\023\001\001\377\004\005\060\003\001\001\377
\060\016\006\003\125\035\017\001\001\377\004\004\003\002\001\206
\060\015\006\011\052\206\110\206\367\015\001\001\013\005\000\003

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\202\001\001\000\045\030\324\221\217\023\356\217\036\035\021\123
\332\055\104\051\031\240\036\153\061\236\115\016\236\255\075\134
\101\157\225\053\044\241\171\230\072\070\066\373\273\146\236\110
\377\220\220\357\075\324\270\233\264\207\165\077\040\233\316\162
\317\241\125\301\115\144\242\031\006\241\007\063\014\013\051\345
\361\352\253\243\354\265\012\164\220\307\175\162\362\327\134\237
\221\357\221\213\267\334\355\146\242\317\216\146\073\274\237\072
\002\340\047\335\026\230\300\225\324\012\244\344\201\232\165\224
\065\234\220\137\210\067\006\255\131\225\012\260\321\147\323\031
\312\211\347\062\132\066\034\076\202\250\132\223\276\306\320\144
\221\266\317\331\266\030\317\333\176\322\145\243\246\304\216\027
\061\301\373\176\166\333\323\205\343\130\262\167\172\166\073\154
\057\120\034\347\333\366\147\171\037\365\202\225\232\007\247\024
\257\217\334\050\041\147\011\322\326\115\132\034\031\034\216\167
\134\303\224\044\075\062\153\113\176\324\170\224\203\276\067\115
\316\137\307\036\116\074\340\211\063\225\013\017\245\062\326\074
\132\171\054\031
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

For Server Distrust After: Wed Nov 30 00:00:00 2022

CKA_NSS_SERVER_DISTRICT_AFTER MULTILINE_OCTAL

\062\062\061\061\063\060\060\060\060\060\060\060\132

END

For Email Distrust After: Wed Nov 30 00:00:00 2022

CKA_NSS_EMAIL_DISTRICT_AFTER MULTILINE_OCTAL

\062\062\061\061\063\060\060\060\060\060\060\060\132

END

Trust for "TrustCor RootCert CA-1"

Issuer: CN=TrustCor RootCert CA-1,OU=TrustCor Certificate Authority,O=TrustCor Systems S. de R.L.,L=Panama City,ST=Panama,C=PA

#

Serial Number:00:da:9b:ec:71:f3:03:b0:19

Subject: CN=TrustCor RootCert CA-1,OU=TrustCor Certificate Authority,O=TrustCor Systems S. de R.L.,L=Panama City,ST=Panama,C=PA

Not Valid Before: Thu Feb 04 12:32:16 2016

Not Valid After : Mon Dec 31 17:23:16 2029

Fingerprint (SHA-256):

D4:0E:9C:86:CD:8F:E4:68:C1:77:69:59:F4:9E:A7:74:FA:54:86:84:B6:C4:06:F3:90:92:61:F4:DC:E2:57:5C

Fingerprint (SHA1): FF:BD:CD:E7:82:C8:43:5E:3C:6F:26:86:5C:CA:A8:3A:45:5B:C3:0A

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "TrustCor RootCert CA-1"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

\377\275\315\347\202\310\103\136\074\157\046\206\134\312\250\072

```

\105\133\303\012
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\156\205\361\334\032\000\323\042\325\262\262\254\153\067\005\105
END
CKA_ISSUER MULTILINE_OCTAL
\060\201\244\061\013\060\011\006\003\125\004\006\023\002\120\101
\061\017\060\015\006\003\125\004\010\014\006\120\141\156\141\155
\141\061\024\060\022\006\003\125\004\007\014\013\120\141\156\141
\155\141\040\103\151\164\171\061\044\060\042\006\003\125\004\012
\014\033\124\162\165\163\164\103\157\162\040\123\171\163\164\145
\155\163\040\123\056\040\144\145\040\122\056\114\056\061\047\060
\045\006\003\125\004\013\014\036\124\162\165\163\164\103\157\162
\040\103\145\162\164\151\146\151\143\141\164\145\040\101\165\164
\150\157\162\151\164\171\061\037\060\035\006\003\125\004\003\014
\026\124\162\165\163\164\103\157\162\040\122\157\157\164\103\145
\162\164\040\103\101\055\061
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\011\000\332\233\354\161\363\003\260\031
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "TrustCor RootCert CA-2"
#
# Issuer: CN=TrustCor RootCert CA-2,OU=TrustCor Certificate Authority,O=TrustCor
Systems S. de R.L.,L=Panama City,ST=Panama,C=PA
# Serial Number:25:a1:df:ca:33:cb:59:02
# Subject: CN=TrustCor RootCert CA-2,OU=TrustCor Certificate Authority,O=TrustCor Systems S. de
R.L.,L=Panama City,ST=Panama,C=PA
# Not Valid Before: Thu Feb 04 12:32:23 2016
# Not Valid After : Sun Dec 31 17:26:39 2034
# Fingerprint (SHA-256):
07:53:E9:40:37:8C:1B:D5:E3:83:6E:39:5D:AE:A5:CB:83:9E:50:46:F1:BD:0E:AE:19:51:CF:10:FE:C7:C9:65
# Fingerprint (SHA1): B8:BE:6D:CB:56:F1:55:B9:63:D4:12:CA:4E:06:34:C7:94:B2:1C:C0
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "TrustCor RootCert CA-2"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\244\061\013\060\011\006\003\125\004\006\023\002\120\101

```


\061\017\060\015\006\003\125\004\010\014\006\120\141\156\141\155
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\155\141\040\103\151\164\171\061\044\060\042\006\003\125\004\012
\014\033\124\162\165\163\164\103\157\162\040\123\171\163\164\145
\155\163\040\123\056\040\144\145\040\122\056\114\056\061\047\060
\045\006\003\125\004\013\014\036\124\162\165\163\164\103\157\162
\040\103\145\162\164\151\146\151\143\141\164\145\040\101\165\164
\150\157\162\151\164\171\061\037\060\035\006\003\125\004\003\014
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END

CKA_ID

UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

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\040\103\145\162\164\151\146\151\143\141\164\145\040\101\165\164
\150\157\162\151\164\171\061\037\060\035\006\003\125\004\003\014
\026\124\162\165\163\164\103\157\162\040\122\157\157\164\103\145
\162\164\040\103\101\055\062

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

\002\010\045\241\337\312\063\313\131\002

END

CKA_VALUE MULTILINE_OCTAL

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\006\120\141\156\141\155\141\061\024\060\022\006\003\125\004\007
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\042\006\003\125\004\012\014\033\124\162\165\163\164\103\157\162
\040\123\171\163\164\145\155\163\040\123\056\040\144\145\040\122
\056\114\056\061\047\060\045\006\003\125\004\013\014\036\124\162
\165\163\164\103\157\162\040\103\145\162\164\151\146\151\143\141
\164\145\040\101\165\164\150\157\162\151\164\171\061\037\060\035
\006\003\125\004\003\014\026\124\162\165\163\164\103\157\162\040
\122\157\157\164\103\145\162\164\040\103\101\055\062\060\036\027
\015\061\066\060\062\060\064\061\062\063\062\062\063\132\027\015
\063\064\061\062\063\061\061\067\062\066\063\071\132\060\201\244
\061\013\060\011\006\003\125\004\006\023\002\120\101\061\017\060
\015\006\003\125\004\010\014\006\120\141\156\141\155\141\061\024

\060\022\006\003\125\004\007\014\013\120\141\156\141\155\141\040
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\162\165\163\164\103\157\162\040\123\171\163\164\145\155\163\040
\123\056\040\144\145\040\122\056\114\056\061\047\060\045\006\003
\125\004\013\014\036\124\162\165\163\164\103\157\162\040\103\145
\162\164\151\146\151\143\141\164\145\040\101\165\164\150\157\162
\151\164\171\061\037\060\035\006\003\125\004\003\014\026\124\162
\165\163\164\103\157\162\040\122\157\157\164\103\145\162\164\040
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\367\015\001\001\001\005\000\003\202\002\017\000\060\202\002\012
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\310\070\176\200\322\253\301\233\145\005\224\364\301\012\020\325
\002\254\355\237\223\307\207\310\260\047\053\102\014\075\012\076
\101\132\236\165\335\215\312\340\233\354\150\062\244\151\222\150
\214\013\201\016\126\240\076\032\335\054\045\024\202\057\227\323
\144\106\364\124\251\334\072\124\055\061\053\231\202\362\331\052
\327\357\161\000\270\061\244\276\172\044\007\303\102\040\362\212
\324\222\004\033\145\126\114\154\324\373\266\141\132\107\043\264
\330\151\264\267\072\320\164\074\014\165\241\214\116\166\241\351
\333\052\245\073\372\316\260\377\176\152\050\375\047\034\310\261
\351\051\361\127\156\144\264\320\301\025\155\016\276\056\016\106
\310\136\364\121\376\357\016\143\072\073\161\272\317\157\131\312
\014\343\233\135\111\270\114\342\127\261\230\212\102\127\234\166
\357\357\275\321\150\250\322\364\011\273\167\065\276\045\202\010
\304\026\054\104\040\126\251\104\021\167\357\135\264\035\252\136
\153\076\213\062\366\007\057\127\004\222\312\365\376\235\302\351
\350\263\216\114\113\002\061\331\344\074\110\202\047\367\030\202
\166\110\072\161\261\023\241\071\325\056\305\064\302\035\142\205
\337\003\376\115\364\257\075\337\134\133\215\372\160\341\245\176
\047\307\206\056\152\217\022\306\204\136\103\121\120\234\031\233
\170\346\374\366\355\107\176\173\075\146\357\023\023\210\137\074
\241\143\373\371\254\207\065\237\363\202\236\244\077\012\234\061
\151\213\231\244\210\112\216\156\146\115\357\026\304\017\171\050
\041\140\015\205\026\175\327\124\070\361\222\126\375\265\063\114
\203\334\327\020\237\113\375\306\370\102\275\272\174\163\002\340
\377\175\315\133\341\324\254\141\173\127\325\112\173\133\324\205
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\232\063\200\074\136\106\077\367\303\261\243\206\063\306\350\136
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\274\233\075\234\175\230\040\031\345\214\060\142\262\060\037\006
\003\125\035\043\004\030\060\026\200\024\331\376\041\100\156\224
\236\274\233\075\234\175\230\040\031\345\214\060\142\262\060\017
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\016\006\003\125\035\017\001\001\377\004\004\003\002\001\206\060
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\164\247\054\360\010\330\171\132\327\132\204\212\330\022\232\033
\331\175\134\115\160\305\245\371\253\345\243\211\211\335\001\372
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\037\351\033\052\306\371\272\001\032\151\277\322\130\307\124\127
\010\217\341\071\140\167\113\254\131\204\032\210\361\335\313\117
\170\327\347\341\063\055\374\356\101\372\040\260\276\313\367\070
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\331\320\205\231\115\224\233\017\113\215\356\000\132\107\035\021
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\242\011\310\345\375\200\136\310\140\102\001\033\032\123\132\273
\067\246\267\274\272\204\351\036\154\032\324\144\332\324\103\376
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\326\354\011

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

For Server Distrust After: Wed Nov 30 00:00:00 2022

CKA_NSS_SERVER_DISTRUSTRUST_AFTER MULTILINE_OCTAL

\062\062\061\061\063\060\060\060\060\060\060\132

END

For Email Distrust After: Wed Nov 30 00:00:00 2022

CKA_NSS_EMAIL_DISTRUSTRUST_AFTER

MULTILINE_OCTAL

\062\062\061\061\063\060\060\060\060\060\060\132

END

```
# Trust for "TrustCor RootCert CA-2"
# Issuer: CN=TrustCor RootCert CA-2,OU=TrustCor Certificate Authority,O=TrustCor Systems S. de
R.L.,L=Panama City,ST=Panama,C=PA
# Serial Number:25:a1:df:ca:33:cb:59:02
# Subject: CN=TrustCor RootCert CA-2,OU=TrustCor Certificate Authority,O=TrustCor Systems S. de
R.L.,L=Panama City,ST=Panama,C=PA
# Not Valid Before: Thu Feb 04 12:32:23 2016
# Not Valid After : Sun Dec 31 17:26:39 2034
# Fingerprint (SHA-256):
07:53:E9:40:37:8C:1B:D5:E3:83:6E:39:5D:AE:A5:CB:83:9E:50:46:F1:BD:0E:AE:19:51:CF:10:FE:C7:C9:65
# Fingerprint (SHA1): B8:BE:6D:CB:56:F1:55:B9:63:D4:12:CA:4E:06:34:C7:94:B2:1C:C0
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "TrustCor RootCert CA-2"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\270\276\155\313\126\361\125\271\143\324\022\312\116\006\064\307
\224\262\034\300
END
CKA_CERT_MD5_HASH
MULTILINE_OCTAL
\242\341\370\030\013\272\105\325\307\101\052\273\067\122\105\144
END
CKA_ISSUER MULTILINE_OCTAL
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\141\061\024\060\022\006\003\125\004\007\014\013\120\141\156\141
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\150\157\162\151\164\171\061\037\060\035\006\003\125\004\003\014
\026\124\162\165\163\164\103\157\162\040\122\157\157\164\103\145
\162\164\040\103\101\055\062
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\010\045\241\337\312\063\313\131\002
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST
CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
```

```
# Certificate "TrustCor ECA-1"
#
# Issuer: CN=TrustCor ECA-1,OU=TrustCor Certificate Authority,O=TrustCor Systems S. de R.L.,L=Panama
City,ST=Panama,C=PA
# Serial Number:00:84:82:2c:5f:1c:62:d0:40
# Subject: CN=TrustCor ECA-1,OU=TrustCor Certificate Authority,O=TrustCor Systems S. de R.L.,L=Panama
City,ST=Panama,C=PA
# Not Valid Before: Thu Feb 04 12:32:33 2016
# Not Valid After : Mon Dec 31 17:28:07 2029
# Fingerprint (SHA-256):
5A:88:5D:B1:9C:01:D9:12:C5:75:93:88:93:8C:AF:BB:DF:03:1A:B2:D4:8E:91:EE:15:58:9B:42:97:1D:03:9C
# Fingerprint (SHA1): 58:D1:DF:95:95:67:6B:63:C0:F0:5B:1C:17:4D:8B:84:0B:C8:78:BD
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "TrustCor ECA-1"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
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\141\061\024\060\022\006\003\125\004\007\014\013\120\141\156\141
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\040\103\145\162\164\151\146\151\143\141\164\145\040\101\165\164
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\141\061\024\060\022\006\003\125\004\007\014\013\120\141\156\141
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\040\103\145\162\164\151\146\151\143\141\164\145\040\101\165\164
\150\157\162\151\164\171\061\027\060\025\006\003\125\004\003\014
\016\124\162\165\163\164\103\157\162\040\105\103\101\055\061
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\011\000\204\202\054\137\034\142\320\100
END
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CKA_VALUE MULTILINE_OCTAL

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\125\004\006\023\002\120\101\061\017\060\015\006\003\125\004\010
\014\006\120\141\156\141\155\141\061\024\060\022\006\003\125\004
\007\014\013\120\141\156\141\155\141\040\103\151\164\171\061\044
\060\042\006\003\125\004\012\014\033\124\162\165\163\164\103\157
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\122\056\114\056\061\047\060\045\006\003\125\004\013\014\036\124
\162\165\163\164\103\157\162\040\103\145\162\164\151\146\151\143
\141\164\145\040\101\165\164\150\157\162\151\164\171\061\027\060
\025\006\003\125\004\003\014\016\124\162\165\163\164\103\157\162
\040\105\103\101\055\061\060\036\027\015\061\066\060\062\060\064
\061\062\063\062\063\063\132\027\015\062\071\061\062\063\061\061
\067\062\070\060\067\132\060\201\234\061\013\060\011\006\003\125
\004\006\023\002\120\101\061\017\060\015\006\003\125\004\010\014
\006\120\141\156\141\155\141\061\024\060\022\006\003\125\004\007
\014\013\120\141\156\141\155\141\040\103\151\164\171\061\044\060
\042\006\003\125\004\012\014\033\124\162\165\163\164\103\157\162
\040\123\171\163\164\145\155\163\040\123\056\040\144\145\040\122
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\165\163\164\103\157\162\040\103\145\162\164\151\146\151\143\141
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\063\370\103\121\351\032\063\221\061\027\240\164\304\324\247\001
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\006\202\100\350\261\342\247\121\247\035\203\046\153\253\336\372
\027\221\053\330\306\254\036\261\236\031\001\325\227\246\352\015
\267\304\125\037\047\174\322\010\325\166\037\051\025\207\100\071
\335\070\105\021\165\320\232\247\064\340\277\315\310\122\035\271
\107\176\015\270\273\306\014\366\163\127\026\132\176\103\221\037
\125\072\306\155\104\004\252\234\251\234\247\114\211\027\203\256
\243\004\136\122\200\213\036\022\045\021\031\327\014\175\175\061
\104\101\352\333\257\260\034\357\201\320\054\305\232\041\233\075
\355\102\073\120\046\362\354\316\161\141\006\142\041\124\116\177
\301\235\076\177\040\214\200\313\052\330\227\142\310\203\063\221
\175\260\242\132\017\127\350\073\314\362\045\262\324\174\057\354
\115\306\241\072\025\172\347\266\135\065\365\366\110\112\066\105
\146\324\272\230\130\301\002\003\001\000\001\243\143\060\141\060
\035\006\003\125\035\016\004\026\004\024\104\236\110\365\314\155
\110\324\240\113\177\376\131\044\057\203\227\231\232\206\060\037
\006\003\125\035\043\004\030\060\026\200\024\104\236\110\365\314
\155\110\324\240\113\177\376\131\044\057\203\227\231\232\206\060

```
\017\006\003\125\035\023\001\001\377\004\005\060\003\001\001\377
\060\016\006\003\125\035\017\001\001\377\004\004\003\002\001\206
\060\015\006\011\052\206\110\206\367\015\001\001\013\005\000\003
\202\001\001\000\005\076\065\134\025\160\233\311\307\163\141\157
\162\053\324\302\217\362\103\135\002\316\304\224\271\224\021\203
\147\135\342\147\154\165\166\277\273\014\252\066\306\255\107\223
\143\334\036\176\326\336\056\376\351\031\062\070\003\177\024\366
\000\163\054\131\261\041\006\341\373\254\030\225\014\243\377\231
\226\367\053\047\233\325\044\314\035\335\301\072\340\230\104\260
\304\344\076\167\261\163\251\144\054\366\034\001\174\077\135\105
\205\300\205\347\045\217\225\334\027\363\074\237\032\156\260\312
\343\035\052\351\114\143\372\044\141\142\326\332\176\266\034\154
\365\002\035\324\052\335\125\220\353\052\021\107\074\056\136\164
\262\202\042\245\175\123\037\105\354\047\221\175\347\042\026\350
\300\150\066\330\306\361\117\200\104\062\371\341\321\321\035\252
\336\250\253\234\004\257\255\040\016\144\230\115\245\153\300\110
\130\226\151\115\334\007\214\121\223\242\337\237\017\075\213\140
\264\202\215\252\010\116\142\105\340\371\013\322\340\340\074\133
\336\134\161\047\045\302\346\003\201\213\020\123\343\307\125\242
\264\237\327\346
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

For Server Distrust After: Wed Nov 30 00:00:00 2022

CKA_NSS_SERVER_DISTRUSTRUST_AFTER MULTILINE_OCTAL

```
\062\062\061\061\063\060\060\060\060\060\060\060\060\132
```

END

For Email Distrust After: Wed Nov 30 00:00:00

2022

CKA_NSS_EMAIL_DISTRUSTRUST_AFTER MULTILINE_OCTAL

```
\062\062\061\061\063\060\060\060\060\060\060\060\132
```

END

Trust for "TrustCor ECA-1"

Issuer: CN=TrustCor ECA-1,OU=TrustCor Certificate Authority,O=TrustCor Systems S. de R.L.,L=Panama City,ST=Panama,C=PA

Serial Number:00:84:82:2c:5f:1c:62:d0:40

Subject: CN=TrustCor ECA-1,OU=TrustCor Certificate Authority,O=TrustCor Systems S. de R.L.,L=Panama City,ST=Panama,C=PA

Not Valid Before: Thu Feb 04 12:32:33 2016

Not Valid After : Mon Dec 31 17:28:07 2029

Fingerprint (SHA-256):

5A:88:5D:B1:9C:01:D9:12:C5:75:93:88:93:8C:AF:BB:DF:03:1A:B2:D4:8E:91:EE:15:58:9B:42:97:1D:03:9C

Fingerprint (SHA1): 58:D1:DF:95:95:67:6B:63:C0:F0:5B:1C:17:4D:8B:84:0B:C8:78:BD

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

```

CKA_LABEL UTF8 "TrustCor ECA-1"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\130\321\337\225\225\147\153\143\300\360\133\034\027\115\213\204
\013\310\170\275
END
CKA_CERT_MD5_HASH
MULTILINE_OCTAL
\047\222\043\035\012\365\100\174\351\346\153\235\330\365\347\154
END
CKA_ISSUER MULTILINE_OCTAL
\060\201\234\061\013\060\011\006\003\125\004\006\023\002\120\101
\061\017\060\015\006\003\125\004\010\014\006\120\141\156\141\155
\141\061\024\060\022\006\003\125\004\007\014\013\120\141\156\141
\155\141\040\103\151\164\171\061\044\060\042\006\003\125\004\012
\014\033\124\162\165\163\164\103\157\162\040\123\171\163\164\145
\155\163\040\123\056\040\144\145\040\122\056\114\056\061\047\060
\045\006\003\125\004\013\014\036\124\162\165\163\164\103\157\162
\040\103\145\162\164\151\146\151\143\141\164\145\040\101\165\164
\150\157\162\151\164\171\061\027\060\025\006\003\125\004\003\014
\016\124\162\165\163\164\103\157\162\040\105\103\101\055\061
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\011\000\204\202\054\137\034\142\320\100
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING
CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "SSL.com Root Certification Authority RSA"
#
# Issuer: CN=SSL.com Root Certification Authority RSA,O=SSL Corporation,L=Houston,ST=Texas,C=US
# Serial Number:7b:2c:9b:d3:16:80:32:99
# Subject: CN=SSL.com Root Certification Authority RSA,O=SSL Corporation,L=Houston,ST=Texas,C=US
# Not Valid Before: Fri Feb 12 17:39:39 2016
# Not Valid After : Tue Feb 12 17:39:39 2041
# Fingerprint (SHA-256):
85:66:6A:56:2E:E0:BE:5C:E9:25:C1:D8:89:0A:6F:76:A8:7E:C1:6D:4D:7D:5F:29:EA:74:19:CF:20:12:3B:69
# Fingerprint (SHA1): B7:AB:33:08:D1:EA:44:77:BA:14:80:12:5A:6F:BD:A9:36:49:0C:BB
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "SSL.com Root Certification Authority RSA"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL

```


\060\174\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\016\060\014\006\003\125\004\010\014\005\124\145\170\141\163\061
\020\060\016\006\003\125\004\007\014\007\110\157\165\163\164\157
\156\061\030\060\026\006\003\125\004\012\014\017\123\123\114\040
\103\157\162\160\157\162\141\164\151\157\156\061\061\060\057\006
\003\125\004\003\014\050\123\123\114\056\143\157\155\040\122\157
\157\164\040\103\145\162\164\151\146\151\143\141\164\151\157\156
\040\101\165\164\150\157\162\151\164\171\040\122\123\101

END

CKA_ID

UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

\060\174\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\016\060\014\006\003\125\004\010\014\005\124\145\170\141\163\061
\020\060\016\006\003\125\004\007\014\007\110\157\165\163\164\157
\156\061\030\060\026\006\003\125\004\012\014\017\123\123\114\040
\103\157\162\160\157\162\141\164\151\157\156\061\061\060\057\006
\003\125\004\003\014\050\123\123\114\056\143\157\155\040\122\157
\157\164\040\103\145\162\164\151\146\151\143\141\164\151\157\156
\040\101\165\164\150\157\162\151\164\171\040\122\123\101

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

\002\010\173\054\233\323\026\200\062\231

END

CKA_VALUE MULTILINE_OCTAL

\060\202\005\335\060\202\003\305\240\003\002\001\002\002\010\173
\054\233\323\026\200\062\231\060\015\006\011\052\206\110\206\367
\015\001\001\013\005\000\060\174\061\013\060\011\006\003\125\004
\006\023\002\125\123\061\016\060\014\006\003\125\004\010\014\005
\124\145\170\141\163\061\020\060\016\006\003\125\004\007\014\007
\110\157\165\163\164\157\156\061\030\060\026\006\003\125\004\012
\014\017\123\123\114\040\103\157\162\160\157\162\141\164\151\157
\156\061\061\060\057\006\003\125\004\003\014\050\123\123\114\056
\143\157\155\040\122\157\157\164\040\103\145\162\164\151\146\151
\143\141\164\151\157\156\040\101\165\164\150\157\162\151\164\171
\040\122\123\101\060\036\027\015\061\066\060\062\061\062\061\067
\063\071\063\071\132\027\015\064\061\060\062\061\062\061\067\063
\071\063\071\132\060\174\061\013\060\011\006\003\125\004\006\023
\002\125\123\061\016\060\014\006\003\125\004\010\014\005\124\145
\170\141\163\061\020\060\016\006\003\125\004\007\014\007\110\157
\165\163\164\157\156\061\030\060\026\006\003\125\004\012\014\017
\123\123\114\040\103\157\162\160\157\162\141\164\151\157\156\061
\061\060\057\006\003\125\004\003\014\050\123\123\114\056\143\157
\155\040\122\157\157\164\040\103\145\162\164\151\146\151\143\141
\164\151\157\156\040\101\165\164\150\157\162\151\164\171\040\122
\123\101\060\202\002\042\060\015\006\011\052\206\110\206\367\015
\001\001\001\005\000\003\202\002\017\000\060\202\002\012\002\202

\002\001\000\371\017\335\243\053\175\313\320\052\376\354\147\205
\246\347\056\033\272\167\341\343\365\257\244\354\372\112\135\221
\304\127\107\153\030\167\153\166\362\375\223\344\075\017\302\026
\236\013\146\303\126\224\236\027\203\205\316\126\357\362\026\375
\000\142\365\042\011\124\350\145\027\116\101\271\340\117\106\227
\252\033\310\270\156\142\136\151\261\137\333\052\002\176\374\154
\312\363\101\330\355\320\350\374\077\141\110\355\260\003\024\035
\020\016\113\031\340\273\116\354\206\145\377\066\363\136\147\002
\013\235\206\125\141\375\172\070\355\376\342\031\000\267\157\241
\120\142\165\164\074\240\372\310\045\222\264\156\172\042\307\370
\036\241\343\262\335\221\061\253\053\035\004\377\245\112\004\067
\351\205\244\063\053\375\342\326\125\064\174\031\244\112\150\307
\262\250\323\267\312\241\223\210\353\301\227\274\214\371\035\331
\042\204\044\164\307\004\075\152\251\051\223\314\353\270\133\341
\376\137\045\252\064\130\310\301\043\124\235\033\230\021\303\070
\234\176\075\206\154\245\017\100\206\174\002\364\134\002\117\050
\313\256\161\237\017\072\310\063\376\021\045\065\352\374\272\305
\140\075\331\174\030\325\262\251\323\165\170\003\162\042\312\072
\303\037\357\054\345\056\251\372\236\054\266\121\106\375\257\003
\326\352\140\150\352\205\026\066\153\205\351\036\300\263\335\304
\044\334\200\052\201\101\155\224\076\310\340\311\201\101\000\236
\136\277\177\305\010\230\242\030\054\102\100\263\371\157\070\047
\113\116\200\364\075\201\107\340\210\174\352\034\316\265\165\134
\121\056\034\053\177\032\162\050\347\000\265\321\164\306\327\344
\237\255\007\223\266\123\065\065\374\067\344\303\366\135\026\276
\041\163\336\222\012\370\240\143\152\274\226\222\152\076\370\274
\145\125\233\336\365\015\211\046\004\374\045\032\246\045\151\313
\302\155\312\174\342\131\137\227\254\353\357\056\310\274\327\033
\131\074\053\314\362\031\310\223\153\047\143\031\317\374\351\046
\370\312\161\233\177\223\376\064\147\204\116\231\353\374\263\170
\011\063\160\272\146\246\166\355\033\163\353\032\245\015\304\042
\023\040\224\126\012\116\054\154\116\261\375\317\234\011\272\242
\063\355\207\002\003\001\000\001\243\143\060\141\060\035\006\003
\125\035\016\004\026\004\024\335\004\011\007\242\365\172\175\122
\123\022\222\225\356\070\200\045\015\246\131\060\017\006\003\125
\035\023\001\001\377\004\005\060\003\001\001\377\060\037\006\003
\125\035\043\004\030\060\026\200\024\335\004\011\007\242\365\172
\175\122\123\022\222\225\356\070\200\045\015\246\131\060\016\006
\003\125\035\017\001\001\377\004\004\003\002\001\206\060\015\006
\011\052\206\110\206\367\015\001\001\013\005\000\003\202\002\001
\000\040\030\021\224\051\373\046\235\034\036\036\160\141\361\225
\162\223\161\044\255\150\223\130\216\062\257\033\263\160\003\374
\045\053\164\205\220\075\170\152\364\271\213\245\227\073\265\030
\221\273\036\247\371\100\133\221\371\125\231\257\036\021\320\134
\035\247\146\343\261\224\007\014\062\071\246\352\033\260\171\330
\035\234\160\104\343\212\335\304\371\225\037\212\070\103\077\001
\205\245\107\247\075\106\262\274\345\042\150\367\173\234\330\054
\076\012\041\310\055\063\254\277\305\201\231\061\164\301\165\161

\305\276\261\360\043\105\364\235\153\374\031\143\235\243\274\004
\306\030\013\045\273\123\211\017\263\200\120\336\105\356\104\177
\253\224\170\144\230\323\366\050\335\207\330\160\145\164\373\016
\271\023\353\247\017\141\251\062\226\314\336\273\355\143\114\030
\273\251\100\367\240\124\156\040\210\161\165\030\352\172\264\064
\162\340\043\047\167\134\266\220\352\206\045\100\253\357\063\017
\313\237\202\276\242\040\373\366\265\055\032\346\302\205\261\164
\017\373\310\145\002\244\122\001\107\335\111\042\301\277\330\353
\153\254\176\336\354\143\063\025\267\043\010\217\306\017\215\101
\132\335\216\305\271\217\345\105\077\170\333\272\322\033\100\261
\376\161\115\077\340\201\242\272\136\264\354\025\340\223\335\010
\037\176\341\125\231\013\041\336\223\236\012\373\346\243\111\275
\066\060\376\347\167\262\240\165\227\265\055\201\210\027\145\040
\367\332\220\000\237\311\122\314\062\312\065\174\365\075\017\330
\053\327\365\046\154\311\006\064\226\026\352\160\131\032\062\171
\171\013\266\210\177\017\122\110\075\277\154\330\242\104\056\321
\116\267\162\130\323\211\023\225\376\104\253\370\327\213\033\156
\234\274\054\240\133\325\152\000\257\137\067\341\325\372\020\013
\230\234\206\347\046\217\316\360\354\156\212\127\013\200\343\116
\262\300\240\143\141\220\272\125\150\067\164\152\266\222\333\237
\241\206\042\266\145\047\016\354\266\237\102\140\344\147\302\265
\332\101\013\304\323\213\141\033\274\372\037\221\053\327\104\007
\136\272\051\254\331\305\351\357\123\110\132\353\200\361\050\130
\041\315\260\006\125\373\047\077\123\220\160\251\004\036\127\047
\271

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "SSL.com Root Certification Authority RSA"

Issuer: CN=SSL.com Root Certification Authority RSA,O=SSL Corporation,L=Houston,ST=Texas,C=US

Serial Number:7b:2c:9b:d3:16:80:32:99

Subject: CN=SSL.com Root Certification Authority RSA,O=SSL Corporation,L=Houston,ST=Texas,C=US

Not Valid Before: Fri Feb 12 17:39:39 2016

Not Valid After : Tue Feb 12 17:39:39 2041

Fingerprint (SHA-256):

85:66:6A:56:2E:E0:BE:5C:E9:25:C1:D8:89:0A:6F:76:A8:7E:C1:6D:4D:7D:5F:29:EA:74:19:CF:20:12:3B:69

Fingerprint (SHA1): B7:AB:33:08:D1:EA:44:77:BA:14:80:12:5A:6F:BD:A9:36:49:0C:BB

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN

CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "SSL.com Root Certification Authority RSA"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

\267\253\063\010\321\352\104\167\272\024\200\022\132\157\275\251

```

\066\111\014\273
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\206\151\022\300\160\361\354\254\254\302\325\274\245\133\241\051
END
CKA_ISSUER MULTILINE_OCTAL
\060\174\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\016\060\014\006\003\125\004\010\014\005\124\145\170\141\163\061
\020\060\016\006\003\125\004\007\014\007\110\157\165\163\164\157
\156\061\030\060\026\006\003\125\004\012\014\017\123\123\114\040
\103\157\162\160\157\162\141\164\151\157\156\061\061\060\057\006
\003\125\004\003\014\050\123\123\114\056\143\157\155\040\122\157
\157\164\040\103\145\162\164\151\146\151\143\141\164\151\157\156
\040\101\165\164\150\157\162\151\164\171\040\122\123\101
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\010\173\054\233\323\026\200\062\231
END
CKA_TRUST_SERVER_AUTH
CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "SSL.com Root Certification Authority ECC"
#
# Issuer: CN=SSL.com Root Certification Authority ECC,O=SSL Corporation,L=Houston,ST=Texas,C=US
# Serial Number:75:e6:df:cb:c1:68:5b:a8
# Subject: CN=SSL.com Root Certification Authority ECC,O=SSL Corporation,L=Houston,ST=Texas,C=US
# Not Valid Before: Fri Feb 12 18:14:03 2016
# Not Valid After : Tue Feb 12 18:14:03 2041
# Fingerprint (SHA-256):
34:17:BB:06:CC:60:07:DA:1B:96:1C:92:0B:8A:B4:CE:3F:AD:82:0E:4A:A3:0B:9A:CB:C4:A7:4E:BD:CE:BC:65
# Fingerprint (SHA1): C3:19:7C:39:24:E6:54:AF:1B:C4:AB:20:95:7A:E2:C3:0E:13:02:6A
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "SSL.com Root Certification Authority ECC"
CKA_CERTIFICATE_TYPE
CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\174\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\016\060\014\006\003\125\004\010\014\005\124\145\170\141\163\061
\020\060\016\006\003\125\004\007\014\007\110\157\165\163\164\157
\156\061\030\060\026\006\003\125\004\012\014\017\123\123\114\040
\103\157\162\160\157\162\141\164\151\157\156\061\061\060\057\006

```

```
\003\125\004\003\014\050\123\123\114\056\143\157\155\040\122\157
\157\164\040\103\145\162\164\151\146\151\143\141\164\151\157\156
\040\101\165\164\150\157\162\151\164\171\040\105\103\103
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\174\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\016\060\014\006\003\125\004\010\014\005\124\145\170\141\163\061
\020\060\016\006\003\125\004\007\014\007\110\157\165\163\164\157
\156\061\030\060\026\006\003\125\004\012\014\017\123\123\114\040
\103\157\162\160\157\162\141\164\151\157\156\061\061\060\057\006
\003\125\004\003\014\050\123\123\114\056\143\157\155\040\122\157
\157\164\040\103\145\162\164\151\146\151\143\141\164\151\157\156
\040\101\165\164\150\157\162\151\164\171\040\105\103\103
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\010\165\346\337\313\301\150\133\250
END
CKA_VALUE MULTILINE_OCTAL
\060\202\002\215\060\202\002\024\240\003\002\001\002\002\010\165
\346\337\313\301\150\133\250\060\012\006\010\052\206\110\316\075
\004\003\002\060\174\061\013\060\011\006\003\125\004\006\023\002
\125\123\061\016\060\014\006\003\125\004\010\014\005\124\145\170
\141\163\061\020\060\016\006\003\125\004\007\014\007\110\157\165
\163\164\157\156\061\030\060\026\006\003\125\004\012\014\017\123
\123\114\040\103\157\162\160\157\162\141\164\151\157\156\061\061
\060\057\006\003\125\004\003\014\050\123\123\114\056\143\157\155
\040\122\157\157\164\040\103\145\162\164\151\146\151\143\141\164
\151\157\156\040\101\165\164\150\157\162\151\164\171\040\105\103
\103\060\036\027\015\061\066\060\062\061\062\061\070\061\064\060\063
\063\132\027\015\064\061\060\062\061\062\061\070\061\064\060\063
\132\060\174\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\016\060\014\006\003\125\004\010\014\005\124\145\170\141\163
\061\020\060\016\006\003\125\004\007\014\007\110\157\165\163\164
\157\156\061\030\060\026\006\003\125\004\012\014\017\123\123\114
\040\103\157\162\160\157\162\141\164\151\157\156\061\061\060\057
\006\003\125\004\003\014\050\123\123\114\056\143\157\155\040\122
\157\157\164\040\103\145\162\164\151\146\151\143\141\164\151\157
\156\040\101\165\164\150\157\162\151\164\171\040\105\103\103\060
\166\060\020\006\007\052\206\110\316\075\002\001\006\005\053\201
\004\000\042\003\142\000\004\105\156\251\120\304\246\043\066\236
\137\050\215\027\313\226\042\144\077\334\172\216\035\314\010\263
\242\161\044\272\216\111\271\004\033\107\226\130\253\055\225\310
\355\236\010\065\310\047\353\211\214\123\130\353\142\212\376\360
\133\017\153\061\122\143\101\073\211\315\354\354\266\215\031\323
\064\007\334\273\306\006\177\302\105\225\354\313\177\250\043\340
\011\351\201\372\363\107\323\243\143\060\141\060\035\006\003\125
```

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\035\016\004\026\004\024\202\321\205\163\060\347\065\004\323\216
\002\222\373\345\244\321\304\041\350\315\060\017\006\003\125\035
\023\001\001\377\004\005\060\003\001\001\377\060\037\006\003\125
\035\043\004\030\060\026\200\024\202\321\205\163\060\347\065\004
\323\216\002\222\373\345\244\321\304\041\350\315\060\016\006\003
\125\035\017\001\001\377\004\004\003\002\001\206\060\012\006\010
\052\206\110\316\075\004\003\002\003\147\000\060\144\002\060\157
\347\353\131\021\244\140\317\141\260\226\173\355\005\371\057\023
\221\334\355\345\374\120\153\021\106\106\263\034\041\000\142\273
\276\303\347\350\315\007\231\371\015\013\135\162\076\304\252\002
\060\037\274\272\013\342\060\044\373\174\155\200\125\012\231\076
\200\015\063\345\146\243\263\243\273\245\325\213\217\011\054\246
\135\176\342\360\007\010\150\155\322\174\151\156\137\337\345\152
\145
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER

CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "SSL.com Root Certification Authority ECC"

Issuer: CN=SSL.com Root Certification Authority ECC,O=SSL Corporation,L=Houston,ST=Texas,C=US

Serial Number:75:e6:df:cb:c1:68:5b:a8

Subject: CN=SSL.com Root Certification Authority ECC,O=SSL Corporation,L=Houston,ST=Texas,C=US

Not Valid Before: Fri Feb 12 18:14:03 2016

Not Valid After : Tue Feb 12 18:14:03 2041

Fingerprint (SHA-256):

34:17:BB:06:CC:60:07:DA:1B:96:1C:92:0B:8A:B4:CE:3F:AD:82:0E:4A:A3:0B:9A:CB:C4:A7:4E:BD:CE:BC:65

Fingerprint (SHA1): C3:19:7C:39:24:E6:54:AF:1B:C4:AB:20:95:7A:E2:C3:0E:13:02:6A

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "SSL.com Root Certification Authority ECC"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\303\031\174\071\044\346\124\257\033\304\253\040\225\172\342\303
\016\023\002\152
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\056\332\344\071\177\234\217\067\321\160\237\046\027\121\072\216
```

END

CKA_ISSUER

MULTILINE_OCTAL

```
\060\174\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\016\060\014\006\003\125\004\010\014\005\124\145\170\141\163\061
\020\060\016\006\003\125\004\007\014\007\110\157\165\163\164\157
\156\061\030\060\026\006\003\125\004\012\014\017\123\123\114\040
```

```
\103\157\162\160\157\162\141\164\151\157\156\061\061\060\057\006
\003\125\004\003\014\050\123\123\114\056\143\157\155\040\122\157
\157\164\040\103\145\162\164\151\146\151\143\141\164\151\157\156
\040\101\165\164\150\157\162\151\164\171\040\105\103\103
```

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

```
\002\010\165\346\337\313\301\150\133\250
```

END

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#

Certificate "SSL.com EV Root Certification Authority RSA R2"

#

Issuer: CN=SSL.com EV Root

Certification Authority RSA R2,O=SSL Corporation,L=Houston,ST=Texas,C=US

Serial Number:56:b6:29:cd:34:bc:78:f6

Subject: CN=SSL.com EV Root Certification Authority RSA R2,O=SSL

Corporation,L=Houston,ST=Texas,C=US

Not Valid Before: Wed May 31 18:14:37 2017

Not Valid After : Fri May 30 18:14:37 2042

Fingerprint (SHA-256):

2E:7B:F1:6C:C2:24:85:A7:BB:E2:AA:86:96:75:07:61:B0:AE:39:BE:3B:2F:E9:D0:CC:6D:4E:F7:34:91:42:5C

Fingerprint (SHA1): 74:3A:F0:52:9B:D0:32:A0:F4:4A:83:CD:D4:BA:A9:7B:7C:2E:C4:9A

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "SSL.com EV Root Certification Authority RSA R2"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL

```
\060\201\202\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\016\060\014\006\003\125\004\010\014\005\124\145\170\141\163
\061\020\060\016\006\003\125\004\007\014\007\110\157\165\163\164
\157\156\061\030\060\026\006\003\125\004\012\014\017\123\123\114
\040\103\157\162\160\157\162\141\164\151\157\156\061\067\060\065
\006\003\125\004\003\014\056\123\123\114\056\143\157\155\040\105
\126\040\122\157\157\164\040\103\145\162\164\151\146\151\143\141
\164\151\157\156\040\101\165\164\150\157\162\151\164\171\040\122
\123\101\040\122\062
```

END

CKA_ID

UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

```
\060\201\202\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\016\060\014\006\003\125\004\010\014\005\124\145\170\141\163
```

\061\020\060\016\006\003\125\004\007\014\007\110\157\165\163\164
\157\156\061\030\060\026\006\003\125\004\012\014\017\123\123\114
\040\103\157\162\160\157\162\141\164\151\157\156\061\067\060\065
\006\003\125\004\003\014\056\123\123\114\056\143\157\155\040\105
\126\040\122\157\157\164\040\103\145\162\164\151\146\151\143\141
\164\151\157\156\040\101\165\164\150\157\162\151\164\171\040\122
\123\101\040\122\062

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\002\010\126\266\051\315\064\274\170\366

END

CKA_VALUE

MULTILINE_OCTAL

\060\202\005\353\060\202\003\323\240\003\002\001\002\002\010\126
\266\051\315\064\274\170\366\060\015\006\011\052\206\110\206\367
\015\001\001\013\005\000\060\201\202\061\013\060\011\006\003\125
\004\006\023\002\125\123\061\016\060\014\006\003\125\004\010\014
\005\124\145\170\141\163\061\020\060\016\006\003\125\004\007\014
\007\110\157\165\163\164\157\156\061\030\060\026\006\003\125\004
\012\014\017\123\123\114\040\103\157\162\160\157\162\141\164\151
\157\156\061\067\060\065\006\003\125\004\003\014\056\123\123\114
\056\143\157\155\040\105\126\040\122\157\157\164\040\103\145\162
\164\151\146\151\143\141\164\151\157\156\040\101\165\164\150\157
\162\151\164\171\040\122\123\101\040\122\062\060\036\027\015\061
\067\060\065\063\061\061\070\061\064\063\067\132\027\015\064\062
\060\065\063\060\061\070\061\064\063\067\132\060\201\202\061\013
\060\011\006\003\125\004\006\023\002\125\123\061\016\060\014\006
\003\125\004\010\014\005\124\145\170\141\163\061\020\060\016\006
\003\125\004\007\014\007\110\157\165\163\164\157\156\061\030\060
\026\006\003\125\004\012\014\017\123\123\114\040\103\157\162\160
\157\162\141\164\151\157\156\061\067\060\065\006\003\125\004\003
\014\056\123\123\114\056\143\157\155\040\105\126\040\122\157\157
\164\040\103\145\162\164\151\146\151\143\141\164\151\157\156\040
\101\165\164\150\157\162\151\164\171\040\122\123\101\040\122\062
\060\202\002\042\060\015\006\011\052\206\110\206\367\015\001\001
\001\005\000\003\202\002\017\000\060\202\002\012\002\202\002\001
\000\217\066\145\100\341\326\115\300\327\264\351\106\332\153\352
\063\107\315\114\371\175\175\276\275\055\075\360\333\170\341\206
\245\331\272\011\127\150\355\127\076\240\320\010\101\203\347\050
\101\044\037\343\162\025\320\001\032\373\136\160\043\262\313\237
\071\343\317\305\116\306\222\155\046\306\173\273\263\332\047\235
\012\206\351\201\067\005\376\360\161\161\354\303\034\351\143\242
\027\024\235\357\033\147\323\205\125\002\002\326\111\311\314\132
\341\261\367\157\062\237\311\324\073\210\101\250\234\275\313\253
\333\155\173\011\037\242\114\162\220\332\053\010\374\317\074\124
\316\147\017\250\317\135\226\031\013\304\343\162\353\255\321\175
\035\047\357\222\353\020\277\133\353\073\257\317\200\335\301\322
\226\004\133\172\176\244\251\074\070\166\244\142\216\240\071\136

\352\167\317\135\000\131\217\146\054\076\007\242\243\005\046\021
\151\227\352\205\267\017\226\013\113\310\100\341\120\272\056\212
\313\367\017\232\042\347\177\232\067\023\315\362\115\023\153\041
\321\300\314\042\362\241\106\366\104\151\234\312\141\065\007\000
\157\326\141\010\021\352\272\270\366\351\263\140\345\115\271\354
\237\024\146\311\127\130\333\315\207\151\370\212\206\022\003\107
\277\146\023\166\254\167\175\064\044\205\203\315\327\252\234\220
\032\237\041\054\177\170\267\144\270\330\350\246\364\170\263\125
\313\204\322\062\304\170\256\243\217\141\335\316\010\123\255\354
\210\374\025\344\232\015\346\237\032\167\316\114\217\270\024\025
\075\142\234\206\070\006\000\146\022\344\131\166\132\123\300\002
\230\242\020\053\150\104\173\216\171\316\063\112\166\252\133\201
\026\033\265\212\330\320\000\173\136\142\264\011\326\206\143\016
\246\005\225\111\272\050\213\210\223\262\064\034\330\244\125\156
\267\034\320\336\231\125\073\043\364\042\340\371\051\146\046\354
\040\120\167\333\112\013\217\276\345\002\140\160\101\136\324\256
\120\071\042\024\046\313\262\073\163\164\125\107\007\171\201\071
\250\060\023\104\345\004\212\256\226\023\045\102\017\271\123\304
\233\374\315\344\034\336\074\372\253\326\006\112\037\147\246\230
\060\034\335\054\333\334\030\225\127\146\306\377\134\213\126\365
\167\002\003\001\000\001\243\143\060\141\060\017\006\003\125\035
\023\001\001\377\004\005\060\003\001\001\377\060\037\006\003\125
\035\043\004\030\060\026\200\024\371\140\273\324\343\325\064\366
\270\365\006\200\045\247\163\333\106\151\250\236\060\035\006\003
\125\035\016\004\026\004\024\371\140\273\324\343\325\064\366\270
\365\006\200\045\247\163\333\106\151\250\236\060\016\006\003\125
\035\017\001\001\377\004\004\003\002\001\206\060\015\006\011\052
\206\110\206\367\015\001\001\013\005\000\003\202\002\001\000\126
\263\216\313\012\235\111\216\277\244\304\221\273\146\027\005\121
\230\165\373\345\120\054\172\236\361\024\372\253\323\212\076\377
\221\051\217\143\213\330\264\251\124\001\015\276\223\206\057\371
\112\155\307\136\365\127\371\312\125\034\022\276\107\017\066\305
\337\152\267\333\165\302\107\045\177\271\361\143\370\150\055\125
\004\321\362\215\260\244\317\274\074\136\037\170\347\245\240\040
\160\260\004\305\267\367\162\247\336\042\015\275\063\045\106\214
\144\222\046\343\076\056\143\226\332\233\214\075\370\030\011\327
\003\314\175\206\202\340\312\004\007\121\120\327\377\222\325\014
\357\332\206\237\231\327\353\267\257\150\342\071\046\224\272\150
\267\277\203\323\352\172\147\075\142\147\256\045\345\162\350\342
\344\354\256\022\366\113\053\074\237\351\260\100\363\070\124\263
\375\267\150\310\332\306\217\121\074\262\373\221\334\034\347\233
\235\341\267\015\162\217\342\244\304\251\170\371\353\024\254\306
\103\005\302\145\071\050\030\002\303\202\262\235\005\276\145\355
\226\137\145\164\074\373\011\065\056\173\234\023\375\033\017\135
\307\155\201\072\126\017\314\073\341\257\002\057\042\254\106\312
\106\074\240\034\114\326\104\264\136\056\134\025\146\011\341\046
\051\376\306\122\141\272\261\163\377\303\014\234\345\154\152\224
\077\024\312\100\026\225\204\363\131\251\254\137\114\141\223\155

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\321\073\314\242\225\014\042\246\147\147\104\056\271\331\322\212
\101\263\146\013\132\373\175\043\245\362\032\260\377\336\233\203
\224\056\321\077\337\222\267\221\257\005\073\145\307\240\154\261
\315\142\022\303\220\033\343\045\316\064\274\157\167\166\261\020
\303\367\005\032\300\326\257\164\142\110\027\167\222\151\220\141
\034\336\225\200\164\124\217\030\034\303\363\003\320\277\244\103
\165\206\123\030\172\012\056\011\034\066\237\221\375\202\212\042
\113\321\016\120\045\335\313\003\014\027\311\203\000\010\116\065
\115\212\213\355\360\002\224\146\054\104\177\313\225\047\226\027
\255\011\060\254\266\161\027\156\213\027\366\034\011\324\055\073
\230\245\161\323\124\023\331\140\363\365\113\146\117\372\361\356
\040\022\215\264\254\127\261\105\143\241\254\166\251\302\373
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "SSL.com EV Root Certification Authority RSA R2"

Issuer: CN=SSL.com EV Root Certification Authority RSA R2,O=SSL Corporation,L=Houston,ST=Texas,C=US

Serial Number:56:b6:29:cd:34:bc:78:f6

Subject: CN=SSL.com EV Root Certification Authority RSA R2,O=SSL Corporation,L=Houston,ST=Texas,C=US

Not Valid Before: Wed May 31 18:14:37 2017

Not Valid After : Fri May 30 18:14:37 2042

Fingerprint (SHA-256):

2E:7B:F1:6C:C2:24:85:A7:BB:E2:AA:86:96:75:07:61:B0:AE:39:BE:3B:2F:E9:D0:CC:6D:4E:F7:34:91:42:5C

Fingerprint (SHA1): 74:3A:F0:52:9B:D0:32:A0:F4:4A:83:CD:D4:BA:A9:7B:7C:2E:C4:9A

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE

CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "SSL.com EV Root Certification Authority RSA R2"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

\164\072\360\122\233\320\062\240\364\112\203\315\324\272\251\173

\174\056\304\232

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

\341\036\061\130\032\256\124\123\002\366\027\152\021\173\115\225

END

CKA_ISSUER MULTILINE_OCTAL

\060\201\202\061\013\060\011\006\003\125\004\006\023\002\125\123

\061\016\060\014\006\003\125\004\010\014\005\124\145\170\141\163

\061\020\060\016\006\003\125\004\007\014\007\110\157\165\163\164

\157\156\061\030\060\026\006\003\125\004\012\014\017\123\123\114

\040\103\157\162\160\157\162\141\164\151\157\156\061\067\060\065

\006\003\125\004\003\014\056\123\123\114\056\143\157\155\040\105

```
\126\040\122\157\157\164\040\103\145\162\164\151\146\151\143\141
\164\151\157\156\040\101\165\164\150\157\162\151\164\171\040\122
\123\101\040\122\062
```

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

```
\002\010\126\266\051\315\064\274\170\366
```

END

CKA_TRUST_SERVER_AUTH

CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#

Certificate "SSL.com EV Root Certification Authority ECC"

#

Issuer: CN=SSL.com EV Root Certification Authority ECC,O=SSL Corporation,L=Houston,ST=Texas,C=US

Serial Number:2c:29:9c:5b:16:ed:05:95

Subject: CN=SSL.com EV Root Certification Authority ECC,O=SSL Corporation,L=Houston,ST=Texas,C=US

Not Valid Before: Fri Feb 12 18:15:23 2016

Not Valid After : Tue Feb 12 18:15:23 2041

Fingerprint (SHA-256):

```
22:A2:C1:F7:BD:ED:70:4C:C1:E7:01:B5:F4:08:C3:10:88:0F:E9:56:B5:DE:2A:4A:44:F9:9C:87:3A:25:A7:C8
```

Fingerprint (SHA1): 4C:DD:51:A3:D1:F5:20:32:14:B0:C6:C5:32:23:03:91:C7:46:42:6D

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "SSL.com EV Root Certification

Authority ECC"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL

```
\060\177\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\016\060\014\006\003\125\004\010\014\005\124\145\170\141\163\061
\020\060\016\006\003\125\004\007\014\007\110\157\165\163\164\157
\156\061\030\060\026\006\003\125\004\012\014\017\123\123\114\040
\103\157\162\160\157\162\141\164\151\157\156\061\064\060\062\006
\003\125\004\003\014\053\123\123\114\056\143\157\155\040\105\126
\040\122\157\157\164\040\103\145\162\164\151\146\151\143\141\164
\151\157\156\040\101\165\164\150\157\162\151\164\171\040\105\103
\103
```

END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

```
\060\177\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\016\060\014\006\003\125\004\010\014\005\124\145\170\141\163\061
\020\060\016\006\003\125\004\007\014\007\110\157\165\163\164\157
\156\061\030\060\026\006\003\125\004\012\014\017\123\123\114\040
```

\103\157\162\160\157\162\141\164\151\157\156\061\064\060\062\006
\003\125\004\003\014\053\123\123\114\056\143\157\155\040\105\126
\040\122\157\157\164\040\103\145\162\164\151\146\151\143\141\164
\151\157\156\040\101\165\164\150\157\162\151\164\171\040\105\103
\103

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

\002\010\054\051\234\133\026\355\005\225

END

CKA_VALUE MULTILINE_OCTAL

\060\202\002\224\060\202\002\032\240\003\002\001\002\002\010\054
\051\234\133\026\355\005\225\060\012\006\010\052\206\110\316\075
\004\003\002\060\177\061\013\060\011\006\003\125\004\006\023\002
\125\123\061\016\060\014\006\003\125\004\010\014\005\124\145\170
\141\163\061\020\060\016\006\003\125\004\007\014\007\110\157\165
\163\164\157\156\061\030\060\026\006\003\125\004\012\014\017\123
\123\114\040\103\157\162\160\157\162\141\164\151\157\156\061\064
\060\062\006\003\125\004\003\014\053\123\123\114\056\143\157\155
\040\105\126\040\122\157\157\164\040\103\145\162\164\151\146\151
\143\141\164\151\157\156\040\101\165\164\150\157\162\151\164\171
\040\105\103\103\060\036\027\015\061\066\060\062\061\062\061\070
\061\065\062\063\132\027\015\064\061\060\062\061\062\061\070\061
\065\062\063\132\060\177\061\013\060\011\006\003\125\004\006\023
\002\125\123\061\016\060\014\006\003\125\004\010\014\005\124\145
\170\141\163\061\020\060\016\006\003\125\004\007\014\007\110\157
\165\163\164\157\156\061\030\060\026\006\003\125\004\012\014\017
\123\123\114\040\103\157\162\160\157\162\141\164\151\157\156\061
\064\060\062\006\003\125\004\003\014\053\123\123\114\056\143\157
\155\040\105\126\040\122\157\157\164\040\103\145\162\164\151\146
\151\143\141\164\151\157\156\040\101\165\164\150\157\162\151\164
\171\040\105\103\103\060\166\060\020\006\007\052\206\110\316\075
\002\001\006\005\053\201\004\000\042\003\142\000\004\252\022\107
\220\230\033\373\357\303\100\007\203\040\116\361\060\202\242\006
\321\362\222\206\141\362\366\041\150\312\000\304\307\352\103\000
\124\206\334\375\037\337\000\270\101\142\134\334\160\026\062\336
\037\231\324\314\305\007\310\010\037\141\026\007\121\075\175\134
\007\123\343\065\070\214\337\315\237\331\056\015\112\266\031\056
\132\160\132\006\355\276\360\241\260\312\320\011\051\243\143\060
\141\060\035\006\003\125\035\016\004\026\004\024\133\312\136\345
\336\322\201\252\315\250\055\144\121\266\331\162\233\227\346\117
\060\017\006\003\125\035\023\001\001\377\004\005\060\003\001\001
\377\060\037\006\003\125\035\043\004\030\060\026\200\024\133\312
\136\345\336\322\201\252\315\250\055\144\121\266\331\162\233\227
\346\117\060\016\006\003\125\035\017\001\001\377\004\004\003\002
\001\206\060\012\006\010\052\206\110\316\075\004\003\002\003\150
\000\060\145\002\061\000\212\346\100\211\067\353\351\325\023\331
\312\324\153\044\363\260\075\207\106\130\032\354\261\337\157\373

```
\126\272\160\153\307\070\314\350\261\214\117\017\367\361\147\166
\016\203\320\036\121\217\002\060\075\366\043\050\046\114\306\140
\207\223\046\233\262\065\036\272\326\367\074\321\034\316\372\045
\074\246\032\201\025\133\363\022\017\154\356\145\212\311\207\250
\371\007\340\142\232\214\134\112
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "SSL.com EV Root Certification Authority ECC"

Issuer: CN=SSL.com EV Root Certification Authority ECC,O=SSL Corporation,L=Houston,ST=Texas,C=US

Serial Number:2c:29:9c:5b:16:ed:05:95

Subject: CN=SSL.com EV Root Certification Authority ECC,O=SSL Corporation,L=Houston,ST=Texas,C=US

Not Valid Before: Fri Feb 12 18:15:23 2016

Not Valid After : Tue Feb 12 18:15:23 2041

Fingerprint (SHA-256):

22:A2:C1:F7:BD:ED:70:4C:C1:E7:01:B5:F4:08:C3:10:88:0F:E9:56:B5:DE:2A:4A:44:F9:9C:87:3A:25:A7:C8

Fingerprint (SHA1): 4C:DD:51:A3:D1:F5:20:32:14:B0:C6:C5:32:23:03:91:C7:46:42:6D

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "SSL.com EV Root Certification Authority ECC"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\114\335\121\243\321\365\040\062\024\260\306\305\062\043\003\221
\307\106\102\155
```

END

CKA_CERT_MD5_HASH

MULTILINE_OCTAL

```
\131\123\042\145\203\102\001\124\300\316\102\271\132\174\362\220
```

END

CKA_ISSUER MULTILINE_OCTAL

```
\060\177\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\016\060\014\006\003\125\004\010\014\005\124\145\170\141\163\061
\020\060\016\006\003\125\004\007\014\007\110\157\165\163\164\157
\156\061\030\060\026\006\003\125\004\012\014\017\123\123\114\040
\103\157\162\160\157\162\141\164\151\157\156\061\064\060\062\006
\003\125\004\003\014\053\123\123\114\056\143\157\155\040\105\126
\040\122\157\157\164\040\103\145\162\164\151\146\151\143\141\164
\151\157\156\040\101\165\164\150\157\162\151\164\171\040\105\103
\103
```

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

```
\002\010\054\051\234\133\026\355\005\225
```

END

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

```
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
```

```
#
```

```
#
```

```
    Certificate "GlobalSign Root CA - R6"
```

```
#
```

```
# Issuer: CN=GlobalSign,O=GlobalSign,OU=GlobalSign Root CA - R6
```

```
# Serial Number:45:e6:bb:03:83:33:c3:85:65:48:e6:ff:45:51
```

```
# Subject: CN=GlobalSign,O=GlobalSign,OU=GlobalSign Root CA - R6
```

```
# Not Valid Before: Wed Dec 10 00:00:00 2014
```

```
# Not Valid After : Sun Dec 10 00:00:00 2034
```

```
# Fingerprint (SHA-256):
```

```
2C:AB:EA:FE:37:D0:6C:A2:2A:BA:73:91:C0:03:3D:25:98:29:52:C4:53:64:73:49:76:3A:3A:B5:AD:6C:CF:69
```

```
# Fingerprint (SHA1): 80:94:64:0E:B5:A7:A1:CA:11:9C:1F:DD:D5:9F:81:02:63:A7:FB:D1
```

```
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
```

```
CKA_TOKEN CK_BBOOL CK_TRUE
```

```
CKA_PRIVATE CK_BBOOL CK_FALSE
```

```
CKA_MODIFIABLE CK_BBOOL CK_FALSE
```

```
CKA_LABEL UTF8 "GlobalSign Root CA - R6"
```

```
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
```

```
CKA_SUBJECT MULTILINE_OCTAL
```

```
\060\114\061\040\060\036\006\003\125\004\013\023\027\107\154\157
\142\141\154\123\151\147\156\040\122\157\157\164\040\103\101\040
\055\040\122\066\061\023\060\021\006\003\125\004\012\023\012\107
\154\157\142\141\154\123\151\147\156\061\023\060\021\006\003\125
\004\003\023\012\107\154\157\142\141\154\123\151\147\156
```

```
END
```

```
CKA_ID
```

```
    UTF8 "0"
```

```
CKA_ISSUER MULTILINE_OCTAL
```

```
\060\114\061\040\060\036\006\003\125\004\013\023\027\107\154\157
\142\141\154\123\151\147\156\040\122\157\157\164\040\103\101\040
\055\040\122\066\061\023\060\021\006\003\125\004\012\023\012\107
\154\157\142\141\154\123\151\147\156\061\023\060\021\006\003\125
\004\003\023\012\107\154\157\142\141\154\123\151\147\156
```

```
END
```

```
CKA_SERIAL_NUMBER MULTILINE_OCTAL
```

```
\002\016\105\346\273\003\203\063\303\205\145\110\346\377\105\121
```

```
END
```

```
CKA_VALUE MULTILINE_OCTAL
```

```
\060\202\005\203\060\202\003\153\240\003\002\001\002\002\016\105
\346\273\003\203\063\303\205\145\110\346\377\105\121\060\015\006
\011\052\206\110\206\367\015\001\001\014\005\000\060\114\061\040
\060\036\006\003\125\004\013\023\027\107\154\157\142\141\154\123
\151\147\156\040\122\157\157\164\040\103\101\040\055\040\122\066
\061\023\060\021\006\003\125\004\012\023\012\107\154\157\142\141
```

\154\123\151\147\156\061\023\060\021\006\003\125\004\003\023\012
\107\154\157\142\141\154\123\151\147\156\060\036\027\015\061\064
\061\062\061\060\060\060\060\060\060\060\132\027\015\063\064\061
\062\061\060\060\060\060\060\060\060\132\060\114\061\040\060\036
\006\003\125\004\013\023\027\107\154\157\142\141\154\123\151\147
\156\040\122\157\157\164\040\103\101\040\055\040\122\066\061\023
\060\021\006\003\125\004\012\023\012\107\154\157\142\141\154\123
\151\147\156\061\023\060\021\006\003\125\004\003\023\012\107\154
\157\142\141\154\123\151\147\156\060\202\002\042\060\015\006\011
\052\206\110\206\367\015\001\001\001\005\000\003\202\002\017\000
\060\202\002\012\002\202\002\001\000\225\007\350\163\312\146\371
\354\024\312\173\074\367\015\010\361\264\105\013\054\202\264\110
\306\353\133\074\256\203\270\101\222\063\024\244\157\177\351\052
\314\306\260\210\153\305\266\211\321\306\262\377\024\316\121\024
\041\354\112\335\033\132\306\326\207\356\115\072\025\006\355\144
\146\013\222\200\312\104\336\163\224\116\363\247\211\177\117\170
\143\010\310\022\120\155\102\146\057\115\271\171\050\115\122\032
\212\032\200\267\031\201\016\176\304\212\274\144\114\041\034\103
\150\327\075\074\212\305\262\146\325\220\232\267\061\006\305\276
\342\155\062\006\246\036\371\271\353\252\243\270\277\276\202\143
\120\320\360\030\211\337\344\017\171\365\352\242\037\052\322\160
\056\173\347\274\223\273\155\123\342\110\174\214\020\007\070\377
\146\262\167\141\176\340\352\214\074\252\264\244\366\363\225\112
\022\007\155\375\214\262\211\317\320\240\141\167\310\130\164\260
\324\043\072\367\135\072\312\242\333\235\011\336\135\104\055\220
\361\201\315\127\222\372\176\274\120\004\143\064\337\153\223\030
\276\153\066\262\071\344\254\044\066\267\360\357\266\034\023\127
\223\266\336\262\370\342\205\267\163\242\270\065\252\105\362\340
\235\066\241\157\124\212\361\162\126\156\056\210\305\121\102\104
\025\224\356\243\305\070\226\233\116\116\132\013\107\363\006\066
\111\167\060\274\161\067\345\246\354\041\010\165\374\346\141\026
\077\167\325\331\221\227\204\012\154\324\002\115\164\300\024\355
\375\071\373\203\362\136\024\241\004\260\013\351\376\356\217\341
\156\013\262\010\263\141\146\011\152\261\006\072\145\226\131\300
\360\065\375\311\332\050\215\032\021\207\160\201\012\250\232\165
\035\236\072\206\005\000\236\333\200\326\045\371\334\005\236\047
\131\114\166\071\133\352\371\245\241\330\203\017\321\377\337\060
\021\371\205\317\063\110\365\312\155\144\024\054\172\130\117\323
\113\010\111\305\225\144\032\143\016\171\075\365\263\214\312\130
\255\234\102\105\171\156\016\207\031\134\124\261\145\266\277\214
\233\334\023\351\015\157\270\056\334\147\156\311\213\021\265\204
\024\212\000\031\160\203\171\221\227\221\324\032\047\277\067\036
\062\007\330\024\143\074\050\114\257\002\003\001\000\001\243\143
\060\141\060\016\006\003\125\035\017\001\001\377\004\004\003\002
\001\006\060\017\006\003\125\035\023\001\001\377\004\005\060\003
\001\001\377\060\035\006\003\125\035\016\004\026\004\024\256\154
\005\243\223\023\342\242\347\342\327\034\326\307\360\177\310\147
\123\240\060\037\006\003\125\035\043\004\030\060\026\200\024\256

\154\005\243\223\023\342\242\347\342\327\034\326\307\360\177\310
\147\123\240\060\015\006\011\052\206\110\206\367\015\001\001\014
\005\000\003\202\002\001\000\203\045\355\350\321\375\225\122\315
\236\300\004\240\221\151\346\134\320\204\336\334\255\242\117\350
\107\170\326\145\230\251\133\250\074\207\174\002\212\321\156\267
\026\163\346\137\300\124\230\325\164\276\301\315\342\021\221\255
\043\030\075\335\341\162\104\226\264\225\136\300\173\216\231\170
\026\103\023\126\127\263\242\263\073\265\167\334\100\162\254\243
\353\233\065\076\261\010\041\241\347\304\103\067\171\062\276\265
\347\234\054\114\274\103\051\231\216\060\323\254\041\340\343\035
\372\330\007\063\166\124\000\042\052\271\115\040\056\160\150\332
\345\123\374\203\134\323\235\362\377\104\014\104\146\362\322\343
\275\106\000\032\155\002\272\045\135\215\241\061\121\335\124\106
\034\115\333\231\226\357\032\034\004\134\246\025\357\170\340\171
\376\135\333\076\252\114\125\375\232\025\251\157\341\246\373\337
\160\060\351\303\356\102\106\355\302\223\005\211\372\175\143\173
\077\320\161\201\174\000\350\230\256\016\170\064\303\045\373\257
\012\237\040\153\335\073\023\217\022\214\342\101\032\110\172\163
\240\167\151\307\266\134\177\202\310\036\376\130\033\050\053\250
\154\255\136\155\300\005\322\173\267\353\200\376\045\067\376\002
\233\150\254\102\135\303\356\365\314\334\360\120\165\322\066\151
\234\346\173\004\337\156\006\151\266\336\012\011\110\131\207\353
\173\024\140\172\144\252\151\103\357\221\307\114\354\030\335\154
\357\123\055\214\231\341\136\362\162\076\317\124\310\275\147\354
\244\017\114\105\377\323\271\060\043\007\114\217\020\277\206\226
\331\231\132\264\231\127\034\244\314\273\025\211\123\272\054\005
\017\344\304\236\031\261\030\064\325\114\235\272\355\367\037\257
\044\225\004\170\250\003\273\356\201\345\332\137\174\213\112\241
\220\164\045\247\263\076\113\310\054\126\275\307\310\357\070\342
\134\222\360\171\367\234\204\272\164\055\141\001\040\176\176\321
\362\117\007\131\137\213\055\103\122\353\106\014\224\341\365\146
\107\171\167\325\124\133\037\255\044\067\313\105\132\116\240\104
\110\310\330\260\231\305\025\204\011\366\326\111\111\300\145\270
\346\032\161\156\240\250\361\202\350\105\076\154\326\002\327\012
\147\203\005\132\311\244\020

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "GlobalSign Root CA - R6"

Issuer: CN=GlobalSign,O=GlobalSign,OU=GlobalSign Root CA - R6

Serial Number:45:e6:bb:03:83:33:c3:85:65:48:e6:ff:45:51

Subject: CN=GlobalSign,O=GlobalSign,OU=GlobalSign Root CA - R6

Not Valid Before: Wed Dec 10 00:00:00 2014

Not Valid After : Sun Dec 10 00:00:00 2034

Fingerprint (SHA-256):


```

2C:AB:EA:FE:37:D0:6C:A2:2A:BA:73:91:C0:03:3D:25:98:29:52:C4:53:64:73:49:76:3A:3A:B5:AD:6C:CF:69
# Fingerprint (SHA1): 80:94:64:0E:B5:A7:A1:CA:11:9C:1F:DD:D5:9F:81:02:63:A7:FB:D1
CKA_CLASS
CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "GlobalSign Root CA - R6"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\200\224\144\016\265\247\241\312\021\234\037\335\325\237\201\002
\143\247\373\321
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\117\335\007\344\324\042\144\071\036\014\067\102\352\321\306\256
END
CKA_ISSUER MULTILINE_OCTAL
\060\114\061\040\060\036\006\003\125\004\013\023\027\107\154\157
\142\141\154\123\151\147\156\040\122\157\157\164\040\103\101\040
\055\040\122\066\061\023\060\021\006\003\125\004\012\023\012\107
\154\157\142\141\154\123\151\147\156\061\023\060\021\006\003\125
\004\003\023\012\107\154\157\142\141\154\123\151\147\156
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\016\105\346\273\003\203\063\303\205\145\110\346\377\105\121
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST
CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "OISTE WISeKey Global Root GC CA"
#
# Issuer: CN=OISTE WISeKey Global Root GC CA,OU=OISTE Foundation Endorsed,O=WISeKey,C=CH
# Serial Number:21:2a:56:0c:ae:da:0c:ab:40:45:bf:2b:a2:2d:3a:ea
# Subject: CN=OISTE WISeKey Global Root GC CA,OU=OISTE Foundation Endorsed,O=WISeKey,C=CH
# Not Valid Before: Tue May 09 09:48:34 2017
# Not Valid After : Fri May 09 09:58:33 2042
# Fingerprint (SHA-256):
85:60:F9:1C:36:24:DA:BA:95:70:B5:FE:A0:DB:E3:6F:F1:1A:83:23:BE:94:86:85:4F:B3:F3:4A:55:71:19:8D
# Fingerprint (SHA1): E0:11:84:5E:34:DE:BE:88:81:B9:9C:F6:16:26:D1:96:1F:C3:B9:31
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "OISTE WISeKey Global Root GC CA"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

```

CKA_SUBJECT MULTILINE_OCTAL

\060\155\061\013\060\011\006\003\125\004\006\023\002\103\110\061
\020\060\016\006\003\125\004\012\023\007\127\111\123\145\113\145
\171\061\042\060\040\006\003\125\004\013\023\031\117\111\123\124
\105\040\106\157\165\156\144\141\164\151\157\156\040\105\156\144
\157\162\163\145\144\061\050\060\046\006\003\125\004\003\023\037
\117\111\123\124\105\040\127\111\123\145\113\145\171\040\107\154
\157\142\141\154\040\122\157\157\164\040\107\103\040\103\101

END

CKA_ID

UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

\060\155\061\013\060\011\006\003\125\004\006\023\002\103\110\061
\020\060\016\006\003\125\004\012\023\007\127\111\123\145\113\145
\171\061\042\060\040\006\003\125\004\013\023\031\117\111\123\124
\105\040\106\157\165\156\144\141\164\151\157\156\040\105\156\144
\157\162\163\145\144\061\050\060\046\006\003\125\004\003\023\037
\117\111\123\124\105\040\127\111\123\145\113\145\171\040\107\154
\157\142\141\154\040\122\157\157\164\040\107\103\040\103\101

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\002\020\041\052\126\014\256\332\014\253\100\105\277\053\242\055
\072\352

END

CKA_VALUE

MULTILINE_OCTAL

\060\202\002\151\060\202\001\357\240\003\002\001\002\002\020\041
\052\126\014\256\332\014\253\100\105\277\053\242\055\072\352\060
\012\006\010\052\206\110\316\075\004\003\003\060\155\061\013\060
\011\006\003\125\004\006\023\002\103\110\061\020\060\016\006\003
\125\004\012\023\007\127\111\123\145\113\145\171\061\042\060\040
\006\003\125\004\013\023\031\117\111\123\124\105\040\106\157\165
\156\144\141\164\151\157\156\040\105\156\144\157\162\163\145\144
\061\050\060\046\006\003\125\004\003\023\037\117\111\123\124\105
\040\127\111\123\145\113\145\171\040\107\154\157\142\141\154\040
\122\157\157\164\040\107\103\040\103\101\060\036\027\015\061\067
\060\065\060\071\060\071\064\070\063\064\132\027\015\064\062\060
\065\060\071\060\071\065\070\063\063\132\060\155\061\013\060\011
\006\003\125\004\006\023\002\103\110\061\020\060\016\006\003\125
\004\012\023\007\127\111\123\145\113\145\171\061\042\060\040\006
\003\125\004\013\023\031\117\111\123\124\105\040\106\157\165\156
\144\141\164\151\157\156\040\105\156\144\157\162\163\145\144\061
\050\060\046\006\003\125\004\003\023\037\117\111\123\124\105\040
\127\111\123\145\113\145\171\040\107\154\157\142\141\154\040\122
\157\157\164\040\107\103\040\103\101\060\166\060\020\006\007\052
\206\110\316\075\002\001\006\005\053\201\004\000\042\003\142\000
\004\114\351\120\300\306\017\162\030\274\330\361\272\263\211\342
\171\112\243\026\247\153\124\044\333\121\377\352\364\011\044\303

```
\013\042\237\313\152\047\202\201\015\322\300\257\061\344\164\202
\156\312\045\331\214\165\235\361\333\320\232\242\113\041\176\026
\247\143\220\322\071\324\261\207\170\137\030\226\017\120\033\065
\067\017\152\306\334\331\023\115\244\216\220\067\346\275\133\061
\221\243\124\060\122\060\016\006\003\125\035\017\001\001\377\004
\004\003\002\001\006\060\017\006\003\125\035\023\001\001\377\004
\005\060\003\001\001\377\060\035\006\003\125\035\016\004\026\004
\024\110\207\024\254\343\303\236\220\140\072\327\312\211\356\323
\255\214\264\120\146\060\020\006\011\053\006\001\004\001\202\067
\025\001\004\003\002\001\000\060\012\006\010\052\206\110\316\075
\004\003\003\003\150\000\060\145\002\060\046\307\151\133\334\325
\347\262\347\310\014\214\214\303\335\171\214\033\143\325\311\122
\224\116\115\202\112\163\036\262\200\204\251\045\300\114\132\155
\111\051\140\170\023\342\176\110\353\144\002\061\000\333\064\040
\062\010\377\232\111\002\266\210\336\024\257\135\154\231\161\215
\032\077\213\327\340\242\066\206\034\007\202\072\166\123\375\302
\242\355\357\173\260\200\117\130\017\113\123\071\275
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

Trust for "OISTE WISeKey Global Root GC CA"

Issuer: CN=OISTE WISeKey Global Root GC CA,OU=OISTE Foundation Endorsed,O=WISeKey,C=CH

Serial Number:21:2a:56:0c:ae:da:0c:ab:40:45:bf:2b:a2:2d:3a:ea

Subject: CN=OISTE WISeKey Global Root GC CA,OU=OISTE Foundation Endorsed,O=WISeKey,C=CH

Not Valid Before: Tue May 09

09:48:34 2017

Not Valid After : Fri May 09 09:58:33 2042

Fingerprint (SHA-256):

85:60:F9:1C:36:24:DA:BA:95:70:B5:FE:A0:DB:E3:6F:F1:1A:83:23:BE:94:86:85:4F:B3:F3:4A:55:71:19:8D

Fingerprint (SHA1): E0:11:84:5E:34:DE:BE:88:81:B9:9C:F6:16:26:D1:96:1F:C3:B9:31

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "OISTE WISeKey Global Root GC CA"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\340\021\204\136\064\336\276\210\201\271\234\366\026\046\321\226
\037\303\271\061
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\251\326\271\055\057\223\144\370\245\151\312\221\351\150\007\043
```

END

CKA_ISSUER MULTILINE_OCTAL

```
\060\155\061\013\060\011\006\003\125\004\006\023\002\103\110\061
\020\060\016\006\003\125\004\012\023\007\127\111\123\145\113\145
```

```
\171\061\042\060\040\006\003\125\004\013\023\031\117\111\123\124
\105\040\106\157\165\156\144\141\164\151\157\156\040\105\156\144
\157\162\163\145\144\061\050\060\046\006\003\125\004\003\023\037
\117\111\123\124\105\040\127\111\123\145\113\145\171\040\107\154
\157\142\141\154\040\122\157\157\164\040\107\103\040\103\101
```

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

```
\002\020\041\052\126\014\256\332\014\253\100\105\277\053\242\055
\072\352
```

END

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#

Certificate "UCA Global G2 Root"

#

Issuer: CN=UCA Global G2 Root,O=UniTrust,C=CN

Serial Number:5d:df:b1:da:5a:a3:ed:5d:be:5a:65:20:65:03:90:ef

Subject: CN=UCA Global G2 Root,O=UniTrust,C=CN

Not Valid Before: Fri Mar 11 00:00:00 2016

Not Valid After : Mon Dec 31 00:00:00 2040

Fingerprint (SHA-256):

9B:EA:11:C9:76:FE:01:47:64:C1:BE:56:A6:F9:14:B5:A5:60:31:7A:BD:99:88:39:33:82:E5:16:1A:A0:49:3C

Fingerprint (SHA1): 28:F9:78:16:19:7A:FF:18:25:18:AA:44:FE:C1:A0:CE:5C:B6:4C:8A

CKA_CLASS CK_OBJECT_CLASS

CKO_CERTIFICATE

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "UCA Global G2 Root"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL

```
\060\075\061\013\060\011\006\003\125\004\006\023\002\103\116\061
\021\060\017\006\003\125\004\012\014\010\125\156\151\124\162\165
\163\164\061\033\060\031\006\003\125\004\003\014\022\125\103\101
\040\107\154\157\142\141\154\040\107\062\040\122\157\157\164
```

END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

```
\060\075\061\013\060\011\006\003\125\004\006\023\002\103\116\061
\021\060\017\006\003\125\004\012\014\010\125\156\151\124\162\165
\163\164\061\033\060\031\006\003\125\004\003\014\022\125\103\101
\040\107\154\157\142\141\154\040\107\062\040\122\157\157\164
```

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\002\020\135\337\261\332\132\243\355\135\276\132\145\040\145\003
\220\357

END

CKA_VALUE MULTILINE_OCTAL

\060\202\005\106\060\202\003\056\240\003\002\001\002\002\020\135
\337\261\332\132\243\355\135\276\132\145\040\145\003\220\357\060
\015\006\011\052\206\110\206\367\015\001\001\013\005\000\060\075
\061\013\060\011\006\003\125\004\006\023\002\103\116\061\021\060
\017\006\003\125\004\012\014\010\125\156\151\124\162\165\163\164
\061\033\060\031\006\003\125\004\003\014\022\125\103\101\040\107
\154\157\142\141\154\040\107\062\040\122\157\157\164\060\036\027
\015\061\066\060\063\061\061\060\060\060\060\060\060\132\027\015
\064\060\061\062\063\061\060\060\060\060\060\060\132\060\075\061
\013\060\011\006\003\125\004\006\023\002\103\116\061\021\060\017
\006\003\125\004\012\014\010\125\156\151\124\162\165\163\164\061
\033\060\031\006\003\125\004\003\014\022\125\103\101\040\107\154
\157\142\141\154\040\107\062\040\122\157\157\164\060\202\002\042
\060\015\006\011\052\206\110\206\367\015\001\001\001\005\000\003
\202\002\017\000\060\202\002\012\002\202\002\001\000\305\346\053
\157\174\357\046\005\047\243\201\044\332\157\313\001\371\231\232
\251\062\302\042\207\141\101\221\073\313\303\150\033\006\305\114
\251\053\301\147\027\042\035\053\355\371\051\211\223\242\170\275
\222\153\240\243\015\242\176\312\223\263\246\321\214\065\325\165
\371\027\366\317\105\305\345\172\354\167\223\240\217\043\256\016
\032\003\177\276\324\320\355\056\173\253\106\043\133\377\054\346
\124\172\224\300\052\025\360\311\215\260\172\073\044\341\327\150
\342\061\074\006\063\106\266\124\021\246\245\057\042\124\052\130
\015\001\002\361\372\025\121\147\154\300\372\327\266\033\177\321
\126\210\057\032\072\215\073\273\202\021\340\107\000\320\122\207
\253\373\206\176\017\044\153\100\235\064\147\274\215\307\055\206
\157\171\076\216\251\074\027\113\177\260\231\343\260\161\140\334
\013\365\144\303\316\103\274\155\161\271\322\336\047\133\212\350
\330\306\256\341\131\175\317\050\055\065\270\225\126\032\361\262
\130\113\267\022\067\310\174\263\355\113\200\341\215\372\062\043
\266\157\267\110\225\010\261\104\116\205\214\072\002\124\040\057
\337\277\127\117\073\072\220\041\327\301\046\065\124\040\354\307
\077\107\354\357\132\277\113\172\301\255\073\027\120\134\142\330
\017\113\112\334\053\372\156\274\163\222\315\354\307\120\350\101
\226\327\251\176\155\330\351\035\217\212\265\271\130\222\272\112
\222\053\014\126\375\200\353\010\360\136\051\156\033\034\014\257
\217\223\211\255\333\275\243\236\041\312\211\031\354\337\265\303
\032\353\026\376\170\066\114\326\156\320\076\027\034\220\027\153
\046\272\373\172\057\277\021\034\030\016\055\163\003\217\240\345
\065\240\132\342\114\165\035\161\341\071\070\123\170\100\314\203
\223\327\012\236\235\133\217\212\344\345\340\110\344\110\262\107
\315\116\052\165\052\173\362\042\366\311\276\011\221\226\127\172
\210\210\254\356\160\254\371\334\051\343\014\034\073\022\116\104
\326\247\116\260\046\310\363\331\032\227\221\150\352\357\215\106

\006\322\126\105\130\232\074\014\017\203\270\005\045\303\071\317
\073\244\064\211\267\171\022\057\107\305\347\251\227\151\374\246
\167\147\265\337\173\361\172\145\025\344\141\126\145\002\003\001
\000\001\243\102\060\100\060\016\006\003\125\035\017\001\001\377
\004\004\003\002\001\006\060\017\006\003\125\035\023\001\001\377
\004\005\060\003\001\001\377\060\035\006\003\125\035\016\004\026
\004\024\201\304\214\314\365\344\060\377\245\014\010\137\214\025
\147\041\164\001\337\337\060\015\006\011\052\206\110\206\367\015
\001\001\013\005\000\003\202\002\001\000\023\145\042\365\216\053
\255\104\344\313\377\271\150\346\303\200\110\075\004\173\372\043
\057\172\355\066\332\262\316\155\366\346\236\345\137\130\217\313
\067\062\241\310\145\266\256\070\075\065\033\076\274\073\266\004
\320\274\371\111\365\233\367\205\305\066\266\313\274\370\310\071
\325\344\137\007\275\025\124\227\164\312\312\355\117\272\272\144
\166\237\201\270\204\105\111\114\215\157\242\353\261\314\321\303
\224\332\104\302\346\342\352\030\350\242\037\047\005\272\327\345
\326\251\315\335\357\166\230\215\000\016\315\033\372\003\267\216
\200\130\016\047\077\122\373\224\242\312\136\145\311\326\204\332
\271\065\161\363\046\300\117\167\346\201\047\322\167\073\232\024
\157\171\364\366\320\341\323\224\272\320\127\121\275\047\005\015
\301\375\310\022\060\356\157\215\021\053\010\235\324\324\277\200
\105\024\232\210\104\332\060\352\264\247\343\356\357\133\202\325
\076\326\255\170\222\333\134\074\363\330\255\372\270\153\177\304
\066\050\266\002\025\212\124\054\234\260\027\163\216\320\067\243
\024\074\230\225\000\014\051\005\133\236\111\111\261\137\307\343
\313\317\047\145\216\065\027\267\127\310\060\331\101\133\271\024
\266\350\302\017\224\061\247\224\230\314\152\353\265\341\047\365
\020\250\001\350\216\022\142\350\210\314\265\177\106\227\300\233
\020\146\070\032\066\106\137\042\150\075\337\311\306\023\047\253
\123\006\254\242\074\206\006\145\157\261\176\261\051\104\232\243
\272\111\151\050\151\217\327\345\137\255\004\206\144\157\032\240
\014\305\010\142\316\200\243\320\363\354\150\336\276\063\307\027
\133\177\200\304\114\114\261\246\204\212\303\073\270\011\315\024
\201\272\030\343\124\127\066\376\333\057\174\107\241\072\063\310
\371\130\073\104\117\261\312\002\211\004\226\050\150\305\113\270
\046\211\273\326\063\057\120\325\376\232\211\272\030\062\222\124
\306\133\340\235\371\136\345\015\042\233\366\332\342\310\041\262
\142\041\252\206\100\262\056\144\323\137\310\343\176\021\147\105
\037\005\376\343\242\357\263\250\263\363\175\217\370\014\037\042
\037\055\160\264\270\001\064\166\060\000\345\043\170\247\126\327
\120\037\212\373\006\365\302\031\360\320

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "UCA Global G2 Root"

```

# Issuer: CN=UCA Global G2 Root,O=UniTrust,C=CN
# Serial Number:5d:df:b1:da:5a:a3:ed:5d:be:5a:65:20:65:03:90:ef
# Subject: CN=UCA Global G2 Root,O=UniTrust,C=CN
# Not Valid Before: Fri Mar 11 00:00:00 2016
# Not Valid After : Mon Dec 31 00:00:00 2040
# Fingerprint (SHA-256):
9B:EA:11:C9:76:FE:01:47:64:C1:BE:56:A6:F9:14:B5:A5:60:31:7A:BD:99:88:39:33:82:E5:16:1A:A0:49:3C
# Fingerprint (SHA1): 28:F9:78:16:19:7A:FF:18:25:18:AA:44:FE:C1:A0:CE:5C:B6:4C:8A
CKA_CLASS
CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "UCA Global G2 Root"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\050\371\170\026\031\172\377\030\045\030\252\104\376\301\240\316
\134\266\114\212
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\200\376\360\304\112\360\134\142\062\237\034\272\170\251\120\370
END
CKA_ISSUER MULTILINE_OCTAL
\060\075\061\013\060\011\006\003\125\004\006\023\002\103\116\061
\021\060\017\006\003\125\004\012\014\010\125\156\151\124\162\165
\163\164\061\033\060\031\006\003\125\004\003\014\022\125\103\101
\040\107\154\157\142\141\154\040\107\062\040\122\157\157\164
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\135\337\261\332\132\243\355\135\276\132\145\040\145\003
\220\357
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED
CK_BBOOL CK_FALSE

#
# Certificate "UCA Extended Validation Root"
#
# Issuer: CN=UCA Extended Validation Root,O=UniTrust,C=CN
# Serial Number:4f:d2:2b:8f:f5:64:c8:33:9e:4f:34:58:66:23:70:60
# Subject: CN=UCA Extended Validation Root,O=UniTrust,C=CN
# Not Valid Before: Fri Mar 13 00:00:00 2015
# Not Valid After : Fri Dec 31 00:00:00 2038
# Fingerprint (SHA-256):
D4:3A:F9:B3:54:73:75:5C:96:84:FC:06:D7:D8:CB:70:EE:5C:28:E7:73:FB:29:4E:B4:1E:E7:17:22:92:4D:24
# Fingerprint (SHA1): A3:A1:B0:6F:24:61:23:4A:E3:36:A5:C2:37:FC:A6:FF:DD:F0:D7:3A

```

```
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "UCA Extended Validation Root"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\107\061\013\060\011\006\003\125\004\006\023\002\103\116\061
\021\060\017\006\003\125\004\012\014\010\125\156\151\124\162\165
\163\164\061\045\060\043\006\003\125\004\003\014\034\125\103\101
\040\105\170\164\145\156\144\145\144\040\126\141\154\151\144\141
\164\151\157\156\040\122\157\157\164
END
CKA_ID
UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\107\061\013\060\011\006\003\125\004\006\023\002\103\116\061
\021\060\017\006\003\125\004\012\014\010\125\156\151\124\162\165
\163\164\061\045\060\043\006\003\125\004\003\014\034\125\103\101
\040\105\170\164\145\156\144\145\144\040\126\141\154\151\144\141
\164\151\157\156\040\122\157\157\164
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\117\322\053\217\365\144\310\063\236\117\064\130\146\043
\160\140
END
CKA_VALUE MULTILINE_OCTAL
\060\202\005\132\060\202\003\102\240\003\002\001\002\002\020\117
\322\053\217\365\144\310\063\236\117\064\130\146\043\160\140\060
\015\006\011\052\206\110\206\367\015\001\001\013\005\000\060\107
\061\013\060\011\006\003\125\004\006\023\002\103\116\061\021\060
\017\006\003\125\004\012\014\010\125\156\151\124\162\165\163\164
\061\045\060\043\006\003\125\004\003\014\034\125\103\101\040\105
\170\164\145\156\144\145\144\040\126\141\154\151\144\141\164\151
\157\156\040\122\157\157\164\060\036\027\015\061\065\060\063\061
\063\060\060\060\060\060\060\132\027\015\063\070\061\062\063\061
\060\060\060\060\060\060\132\060\107\061\013\060\011\006\003\125
\004\006\023\002\103\116\061\021\060\017\006\003\125\004\012\014
\010\125\156\151\124\162\165\163\164\061\045\060\043\006\003\125
\004\003\014\034\125\103\101\040\105\170\164\145\156\144\145\144
\040\126\141\154\151\144\141\164\151\157\156\040\122\157\157\164
\060\202\002\042\060\015\006\011\052\206\110\206\367\015\001\001
\001\005\000\003\202\002\017\000\060\202\002\012\002\202\002\001
\000\251\011\007\050\023\002\260\231\340\144\252\036\103\026\172
\163\261\221\240\165\076\250\372\343\070\000\172\354\211\152\040
\017\213\305\260\233\063\003\132\206\306\130\206\325\301\205\273
\117\306\234\100\115\312\276\356\151\226\270\255\201\060\232\174
\222\005\353\005\053\232\110\320\270\166\076\226\310\040\273\322
```


\260\361\217\330\254\105\106\377\252\147\140\264\167\176\152\037
\074\032\122\172\004\075\007\074\205\015\204\320\037\166\012\367
\152\024\337\162\343\064\174\127\116\126\001\076\171\361\252\051
\073\154\372\370\217\155\115\310\065\337\256\353\334\044\356\171
\105\247\205\266\005\210\336\210\135\045\174\227\144\147\011\331
\277\132\025\005\206\363\011\036\354\130\062\063\021\363\167\144
\260\166\037\344\020\065\027\033\362\016\261\154\244\052\243\163
\374\011\037\036\062\031\123\021\347\331\263\054\056\166\056\241
\243\336\176\152\210\011\350\362\007\212\370\262\315\020\347\342
\163\100\223\273\010\321\077\341\374\013\224\263\045\357\174\246
\327\321\257\237\377\226\232\365\221\173\230\013\167\324\176\350
\007\322\142\265\225\071\343\363\361\155\017\016\145\204\212\143
\124\305\200\266\340\236\113\175\107\046\247\001\010\135\321\210
\236\327\303\062\104\372\202\112\012\150\124\177\070\123\003\314
\244\000\063\144\121\131\013\243\202\221\172\136\354\026\302\363
\052\346\142\332\052\333\131\142\020\045\112\052\201\013\107\007
\103\006\160\207\322\372\223\021\051\172\110\115\353\224\307\160
\115\257\147\325\121\261\200\040\001\001\264\172\010\246\220\177
\116\340\357\007\101\207\257\152\245\136\213\373\317\120\262\232
\124\257\303\211\272\130\055\365\060\230\261\066\162\071\176\111
\004\375\051\247\114\171\344\005\127\333\224\271\026\123\215\106
\263\035\225\141\127\126\177\257\360\026\133\141\130\157\066\120
\021\013\330\254\053\225\026\032\016\037\010\315\066\064\145\020
\142\146\325\200\137\024\040\137\055\014\240\170\012\150\326\054
\327\351\157\053\322\112\005\223\374\236\157\153\147\377\210\361
\116\245\151\112\122\067\005\352\306\026\215\322\304\231\321\202
\053\073\272\065\165\367\121\121\130\363\310\007\335\344\264\003
\177\002\003\001\000\001\243\102\060\100\060\035\006\003\125\035
\016\004\026\004\024\331\164\072\344\060\075\015\367\022\334\176
\132\005\237\036\064\232\367\341\024\060\017\006\003\125\035\023
\001\001\377\004\005\060\003\001\001\377\060\016\006\003\125\035
\017\001\001\377\004\004\003\002\001\206\060\015\006\011\052\206
\110\206\367\015\001\001\013\005\000\003\202\002\001\000\066\215
\227\314\102\025\144\051\067\233\046\054\326\373\256\025\151\054
\153\032\032\367\137\266\371\007\114\131\352\363\311\310\271\256
\314\272\056\172\334\300\365\260\055\300\073\257\237\160\005\021
\152\237\045\117\001\051\160\343\345\014\341\352\132\174\334\111
\273\301\036\052\201\365\026\113\162\221\310\242\061\271\252\332
\374\235\037\363\135\100\002\023\374\116\034\006\312\263\024\220
\124\027\031\022\032\361\037\327\014\151\132\366\161\170\364\224
\175\221\013\216\354\220\124\216\274\157\241\114\253\374\164\144
\375\161\232\370\101\007\241\315\221\344\074\232\340\233\062\071
\163\253\052\325\151\310\170\221\046\061\175\342\307\060\361\374
\024\170\167\022\016\023\364\335\026\224\277\113\147\173\160\123
\205\312\260\273\363\070\115\054\220\071\300\015\302\135\153\351
\342\345\325\210\215\326\054\277\253\033\276\265\050\207\022\027
\164\156\374\175\374\217\320\207\046\260\033\373\271\154\253\342
\236\075\025\301\073\056\147\002\130\221\237\357\370\102\037\054

```
\267\150\365\165\255\317\265\366\377\021\175\302\360\044\245\255
\323\372\240\074\251\372\135\334\245\240\357\104\244\276\326\350
\345\344\023\226\027\173\006\076\062\355\307\267\102\274\166\243
\330\145\070\053\070\065\121\041\016\016\157\056\064\023\100\341
\053\147\014\155\112\101\060\030\043\132\062\125\231\311\027\340
\074\336\366\354\171\255\053\130\031\242\255\054\042\032\225\216
\276\226\220\135\102\127\304\371\024\003\065\053\034\055\121\127
\010\247\072\336\077\344\310\264\003\163\302\301\046\200\273\013
\102\037\255\015\257\046\162\332\314\276\263\243\203\130\015\202
\305\037\106\121\343\234\030\314\215\233\215\354\111\353\165\120
\325\214\050\131\312\164\064\332\214\013\041\253\036\352\033\345
\307\375\025\076\300\027\252\373\043\156\046\106\313\372\371\261
\162\153\151\317\042\204\013\142\017\254\331\031\000\224\242\166
\074\324\055\232\355\004\236\055\006\142\020\067\122\034\205\162
\033\047\345\314\306\061\354\067\354\143\131\233\013\035\166\314
\176\062\232\210\225\010\066\122\273\336\166\137\166\111\111\255
\177\275\145\040\262\311\301\053\166\030\166\237\126\261
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "UCA Extended Validation Root"

Issuer: CN=UCA Extended Validation Root,O=UniTrust,C=CN

Serial Number:4f:d2:2b:8f:f5:64:c8:33:9e:4f:34:58:66:23:70:60

Subject: CN=UCA Extended Validation Root,O=UniTrust,C=CN

Not Valid Before: Fri Mar 13 00:00:00 2015

Not Valid After : Fri Dec 31 00:00:00 2038

Fingerprint (SHA-256):

D4:3A:F9:B3:54:73:75:5C:96:84:FC:06:D7:D8:CB:70:EE:5C:28:E7:73:FB:29:4E:B4:1E:E7:17:22:92:4D:24

Fingerprint (SHA1): A3:A1:B0:6F:24:61:23:4A:E3:36:A5:C2:37:FC:A6:FF:DD:F0:D7:3A

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL

UTF8 "UCA Extended Validation Root"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\243\241\260\157\044\141\043\112\343\066\245\302\067\374\246\377
\335\360\327\072
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\241\363\137\103\306\064\233\332\277\214\176\005\123\255\226\342
```

END

CKA_ISSUER MULTILINE_OCTAL

```
\060\107\061\013\060\011\006\003\125\004\006\023\002\103\116\061
\021\060\017\006\003\125\004\012\014\010\125\156\151\124\162\165
```

```
\163\164\061\045\060\043\006\003\125\004\003\014\034\125\103\101
\040\105\170\164\145\156\144\145\144\040\126\141\154\151\144\141
\164\151\157\156\040\122\157\157\164
```

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

```
\002\020\117\322\053\217\365\144\310\063\236\117\064\130\146\043
\160\140
```

END

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#

Certificate "Certigna Root CA"

#

Issuer: CN=Certigna Root

CA,OU=0002 48146308100036,O=Dhimyotis,C=FR

Serial Number:00:ca:e9:1b:89:f1:55:03:0d:a3:e6:41:6d:c4:e3:a6:e1

Subject: CN=Certigna Root CA,OU=0002 48146308100036,O=Dhimyotis,C=FR

Not Valid Before: Tue Oct 01 08:32:27 2013

Not Valid After : Sat Oct 01 08:32:27 2033

Fingerprint (SHA-256):

D4:8D:3D:23:EE:DB:50:A4:59:E5:51:97:60:1C:27:77:4B:9D:7B:18:C9:4D:5A:05:95:11:A1:02:50:B9:31:68

Fingerprint (SHA1): 2D:0D:52:14:FF:9E:AD:99:24:01:74:20:47:6E:6C:85:27:27:F5:43

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "Certigna Root CA"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL

```
\060\132\061\013\060\011\006\003\125\004\006\023\002\106\122\061
\022\060\020\006\003\125\004\012\014\011\104\150\151\155\171\157
\164\151\163\061\034\060\032\006\003\125\004\013\014\023\060\060
\060\062\040\064\070\061\064\066\063\060\070\061\060\060\060\063
\066\061\031\060\027\006\003\125\004\003\014\020\103\145\162\164
\151\147\156\141\040\122\157\157\164\040\103\101
```

END

CKA_ID

UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

```
\060\132\061\013\060\011\006\003\125\004\006\023\002\106\122\061
\022\060\020\006\003\125\004\012\014\011\104\150\151\155\171\157
\164\151\163\061\034\060\032\006\003\125\004\013\014\023\060\060
\060\062\040\064\070\061\064\066\063\060\070\061\060\060\060\063
\066\061\031\060\027\006\003\125\004\003\014\020\103\145\162\164
\151\147\156\141\040\122\157\157\164\040\103\101
```

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\002\021\000\312\351\033\211\361\125\003\015\243\346\101\155\304
\343\246\341

END

CKA_VALUE MULTILINE_OCTAL

\060\202\006\133\060\202\004\103\240\003\002\001\002\002\021\000
\312\351\033\211\361\125\003\015\243\346\101\155\304\343\246\341
\060\015\006\011\052\206\110\206\367\015\001\001\013\005\000\060
\132\061\013\060\011\006\003\125\004\006\023\002\106\122\061\022
\060\020\006\003\125\004\012\014\011\104\150\151\155\171\157\164
\151\163\061\034\060\032\006\003\125\004\013\014\023\060\060\060
\062\040\064\070\061\064\066\063\060\070\061\060\060\060\063\066
\061\031\060\027\006\003\125\004\003\014\020\103\145\162\164\151
\147\156\141\040\122\157\157\164\040\103\101\060\036\027\015\061
\063\061\060\060\061\060\070\063\062\062\067\132\027\015\063\063
\061\060\060\061\060\070\063\062\062\067\132\060\132\061\013\060
\011\006\003\125\004\006\023\002\106\122\061\022\060\020\006\003
\125\004\012\014\011\104\150\151\155\171\157\164\151\163\061\034
\060\032\006\003\125\004\013\014\023\060\060\060\062\040\064\070
\061\064\066\063\060\070\061\060\060\060\063\066\061\031\060\027
\006\003\125\004\003\014\020\103\145\162\164\151\147\156\141\040
\122\157\157\164\040\103\101\060\202\002\042\060\015\006\011\052
\206\110\206\367\015\001\001\001\005\000\003\202\002\017\000\060
\202\002\012\002\202\002\001\000\315\030\071\145\032\131\261\352
\144\026\016\214\224\044\225\174\203\323\305\071\046\334\014\357
\026\127\215\327\330\254\243\102\177\202\312\355\315\133\333\016
\267\055\355\105\010\027\262\331\263\313\326\027\122\162\050\333
\216\116\236\212\266\013\371\236\204\232\115\166\336\042\051\134
\322\263\322\006\076\060\071\251\164\243\222\126\034\241\157\114
\012\040\155\237\043\172\264\306\332\054\344\035\054\334\263\050
\320\023\362\114\116\002\111\241\124\100\236\346\345\005\240\055
\204\310\377\230\154\320\353\212\032\204\010\036\267\150\043\356
\043\325\160\316\155\121\151\020\356\241\172\302\321\042\061\302
\202\205\322\362\125\166\120\174\045\172\311\204\134\013\254\335
\102\116\053\347\202\242\044\211\313\220\262\320\356\043\272\146
\114\273\142\244\371\123\132\144\173\174\230\372\243\110\236\017
\225\256\247\030\364\152\354\056\003\105\257\360\164\370\052\315
\172\135\321\276\104\046\062\051\361\361\365\154\314\176\002\041
\013\237\157\244\077\276\235\123\342\317\175\251\054\174\130\032
\227\341\075\067\067\030\146\050\322\100\305\121\212\214\303\055
\316\123\210\044\130\144\060\026\305\252\340\326\012\246\100\337
\170\366\365\004\174\151\023\204\274\321\321\247\006\317\001\367
\150\300\250\127\273\072\141\255\004\214\223\343\255\374\360\333
\104\155\131\334\111\131\256\254\232\231\066\060\101\173\166\063
\042\207\243\302\222\206\156\371\160\356\256\207\207\225\033\304
\172\275\061\363\324\322\345\231\377\276\110\354\165\365\170\026
\035\246\160\301\177\074\033\241\222\373\317\310\074\326\305\223

\012\217\365\125\072\166\225\316\131\230\212\011\225\167\062\232
\203\272\054\004\072\227\275\324\057\276\327\154\233\242\312\175
\155\046\311\125\325\317\303\171\122\010\011\231\007\044\055\144
\045\153\246\041\151\233\152\335\164\115\153\227\172\101\275\253
\027\371\220\027\110\217\066\371\055\325\305\333\356\252\205\105
\101\372\315\072\105\261\150\346\066\114\233\220\127\354\043\271
\207\010\302\304\011\361\227\206\052\050\115\342\164\300\332\304
\214\333\337\342\241\027\131\316\044\131\164\061\332\177\375\060
\155\331\334\341\152\341\374\137\002\003\001\000\001\243\202\001
\032\060\202\001\026\060\017\006\003\125\035\023\001\001\377\004
\005\060\003\001\001\377\060\016\006\003\125\035\017\001\001\377
\004\004\003\002\001\006\060\035\006\003\125\035\016\004\026\004
\024\030\207\126\340\156\167\356\044\065\074\116\163\232\037\326
\341\342\171\176\053\060\037\006\003\125\035\043\004\030\060\026
\200\024\030\207\126\340\156\167\356\044\065\074\116\163\232\037
\326\341\342\171\176\053\060\104\006\003\125\035\040\004\075\060
\073\060\071\006\004\125\035\040\000\060\061\060\057\006\010\053
\006\001\005\005\007\002\001\026\043\150\164\164\160\163\072\057
\057\167\167\167\167\056\143\145\162\164\151\147\156\141\056\146
\162\057\141\165\164\157\162\151\164\145\163\057\060\155\006\003
\125\035\037\004\146\060\144\060\057\240\055\240\053\206\051\150
\164\164\160\072\057\057\143\162\154\056\143\145\162\164\151\147
\156\141\056\146\162\057\143\145\162\164\151\147\156\141\162\157
\157\164\143\141\056\143\162\154\060\061\240\057\240\055\206\053
\150\164\164\160\072\057\057\143\162\154\056\144\150\151\155\171
\157\164\151\163\056\143\157\155\057\143\145\162\164\151\147\156
\141\162\157\157\164\143\141\056\143\162\154\060\015\006\011\052
\206\110\206\367\015\001\001\013\005\000\003\202\002\001\000\224
\270\236\117\360\343\225\010\042\347\315\150\101\367\034\125\325
\174\000\342\055\072\211\135\150\070\057\121\042\013\112\215\313
\351\273\135\076\273\134\075\261\050\376\344\123\125\023\317\241
\220\033\002\035\137\146\106\011\063\050\341\015\044\227\160\323
\020\037\352\144\127\226\273\135\332\347\304\214\117\114\144\106
\035\134\207\343\131\336\102\321\233\250\176\246\211\335\217\034
\311\060\202\355\073\234\315\300\351\031\340\152\330\002\165\067
\253\367\064\050\050\221\362\004\012\117\065\343\140\046\001\372
\320\021\214\371\021\152\356\257\075\303\120\323\217\137\063\171
\074\206\250\163\105\220\214\040\266\162\163\027\043\276\007\145
\345\170\222\015\272\001\300\353\214\034\146\277\254\206\167\001
\224\015\234\346\351\071\215\037\246\121\214\231\014\071\167\341
\264\233\372\034\147\127\157\152\152\216\251\053\114\127\171\172
\127\042\317\315\137\143\106\215\134\131\072\206\370\062\107\142
\243\147\015\030\221\334\373\246\153\365\110\141\163\043\131\216
\002\247\274\104\352\364\111\235\361\124\130\371\140\257\332\030
\244\057\050\105\334\172\240\210\206\135\363\073\347\377\051\065
\200\374\144\103\224\346\343\034\157\276\255\016\052\143\231\053
\311\176\205\366\161\350\006\003\225\376\336\217\110\034\132\324
\222\350\053\356\347\061\333\272\004\152\207\230\347\305\137\357

```
\175\247\042\367\001\330\115\371\211\320\016\232\005\131\244\236
\230\331\157\053\312\160\276\144\302\125\243\364\351\257\303\222
\051\334\210\026\044\231\074\215\046\230\266\133\267\314\316\267
\067\007\375\046\331\230\205\044\377\131\043\003\232\355\235\235
\250\344\136\070\316\327\122\015\157\322\077\155\261\005\153\111
\316\212\221\106\163\364\366\057\360\250\163\167\016\145\254\241
\215\146\122\151\176\113\150\014\307\036\067\047\203\245\214\307
\002\344\024\315\111\001\260\163\263\375\306\220\072\157\322\154
\355\073\356\354\221\276\242\103\135\213\000\112\146\045\104\160
\336\100\017\370\174\025\367\242\316\074\327\136\023\214\201\027
\030\027\321\275\361\167\020\072\324\145\071\301\047\254\127\054
\045\124\377\242\332\117\212\141\071\136\256\075\112\214\275
```

END

CKA_NSS_Mozilla_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "Certigna Root CA"

Issuer: CN=Certigna Root CA,OU=0002 48146308100036,O=Dhimyotis,C=FR

Serial Number:00:ca:e9:1b:89:f1:55:03:0d:a3:e6:41:6d:c4:e3:a6:e1

Subject: CN=Certigna Root CA,OU=0002 48146308100036,O=Dhimyotis,C=FR

Not Valid Before: Tue Oct 01 08:32:27 2013

Not Valid After : Sat Oct 01 08:32:27 2033

Fingerprint (SHA-256):

D4:8D:3D:23:EE:DB:50:A4:59:E5:51:97:60:1C:27:77:4B:9D:7B:18:C9:4D:5A:05:95:11:A1:02:50:B9:31:68

Fingerprint (SHA1): 2D:0D:52:14:FF:9E:AD:99:24:01:74:20:47:6E:6C:85:27:27:F5:43

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN

CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "Certigna Root CA"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\055\015\122\024\377\236\255\231\044\001\164\040\107\156\154\205
\047\047\365\103
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\016\134\060\142\047\353\133\274\327\256\142\272\351\325\337\167
```

END

CKA_ISSUER MULTILINE_OCTAL

```
\060\132\061\013\060\011\006\003\125\004\006\023\002\106\122\061
\022\060\020\006\003\125\004\012\014\011\104\150\151\155\171\157
\164\151\163\061\034\060\032\006\003\125\004\013\014\023\060\060
\060\062\040\064\070\061\064\066\063\060\070\061\060\060\060\063
\066\061\031\060\027\006\003\125\004\003\014\020\103\145\162\164
\151\147\156\141\040\122\157\157\164\040\103\101
```

END

```

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\021\000\312\351\033\211\361\125\003\015\243\346\101\155\304
\343\246\341
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING
CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "emSign Root CA - G1"
#
# Issuer: CN=emSign Root CA - G1,O=eMudhra Technologies Limited,OU=emSign PKI,C=IN
# Serial Number:31:f5:e4:62:0c:6c:58:ed:d6:d8
# Subject: CN=emSign Root CA - G1,O=eMudhra Technologies Limited,OU=emSign PKI,C=IN
# Not Valid Before: Sun Feb 18 18:30:00 2018
# Not Valid After : Wed Feb 18 18:30:00 2043
# Fingerprint (SHA-256):
40:F6:AF:03:46:A9:9A:A1:CD:1D:55:5A:4E:9C:CE:62:C7:F9:63:46:03:EE:40:66:15:83:3D:C8:C8:D0:03:67
# Fingerprint (SHA1): 8A:C7:AD:8F:73:AC:4E:C1:B5:75:4D:A5:40:F4:FC:CF:7C:B5:8E:8C
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "emSign Root CA - G1"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\147\061\013\060\011\006\003\125\004\006\023\002\111\116\061
\023\060\021\006\003\125\004\013\023\012\145\155\123\151\147\156
\040\120\113\111\061\045\060\043\006\003\125\004\012\023\034\145
\115\165\144\150\162\141\040\124\145\143\150\156\157\154\157\147
\151\145\163\040\114\151\155\151\164\145\144\061\034\060\032\006
\003\125\004\003\023\023\145\155\123\151\147\156\040\122\157\157
\164\040\103\101\040\055\040\107\061
END
CKA_ID
UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\147\061\013\060\011\006\003\125\004\006\023\002\111\116\061
\023\060\021\006\003\125\004\013\023\012\145\155\123\151\147\156
\040\120\113\111\061\045\060\043\006\003\125\004\012\023\034\145
\115\165\144\150\162\141\040\124\145\143\150\156\157\154\157\147
\151\145\163\040\114\151\155\151\164\145\144\061\034\060\032\006
\003\125\004\003\023\023\145\155\123\151\147\156\040\122\157\157
\164\040\103\101\040\055\040\107\061
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL

```

\002\012\061\365\344\142\014\154\130\355\326\330

END

CKA_VALUE MULTILINE_OCTAL

\060\202\003\224\060\202\002\174\240\003\002\001\002\002\012\061
\365\344\142\014\154\130\355\326\330\060\015\006\011\052\206\110
\206\367\015\001\001\013\005\000\060\147\061\013\060\011\006\003
\125\004\006\023\002\111\116\061\023\060\021\006\003\125\004\013
\023\012\145\155\123\151\147\156\040\120\113\111\061\045\060\043
\006\003\125\004\012\023\034\145\115\165\144\150\162\141\040\124
\145\143\150\156\157\154\157\147\151\145\163\040\114\151\155\151
\164\145\144\061\034\060\032\006\003\125\004\003\023\023\145\155
\123\151\147\156\040\122\157\157\164\040\103\101\040\055\040\107
\061\060\036\027\015\061\070\060\062\061\070\061\070\063\060\060
\060\132\027\015\064\063\060\062\061\070\061\070\063\060\060\060
\132\060\147\061\013\060\011\006\003\125\004\006\023\002\111\116
\061\023\060\021\006\003\125\004\013\023\012\145\155\123\151\147
\156\040\120\113\111\061\045\060\043\006\003\125\004\012\023\034
\145\115\165\144\150\162\141\040\124\145\143\150\156\157\154\157
\147\151\145\163\040\114\151\155\151\164\145\144\061\034\060\032
\006\003\125\004\003\023\023\145\155\123\151\147\156\040\122\157
\157\164\040\103\101\040\055\040\107\061\060\202\001\042\060\015
\006\011\052\206\110\206\367\015\001\001\001\005\000\003\202\001
\017\000\060\202\001\012\002\202\001\001\000\223\113\273\351\146
\212\356\235\133\325\064\223\320\033\036\303\347\236\270\144\063
\177\143\170\150\264\315\056\161\165\327\233\040\306\115\051\274
\266\150\140\212\367\041\232\126\065\132\363\166\275\330\315\232
\377\223\126\113\245\131\006\241\223\064\051\335\026\064\165\116
\362\201\264\307\226\116\255\031\025\122\112\376\074\160\165\160
\315\257\053\253\025\232\063\074\252\263\213\252\315\103\375\365
\352\160\377\355\317\021\073\224\316\116\062\026\323\043\100\052
\167\263\257\074\001\054\154\355\231\054\213\331\116\151\230\262
\367\217\101\260\062\170\141\326\015\137\303\372\242\100\222\035
\134\027\346\160\076\065\347\242\267\302\142\342\253\244\070\114
\265\071\065\157\352\003\151\372\072\124\150\205\155\326\362\057
\103\125\036\221\015\016\330\325\152\244\226\321\023\074\054\170
\120\350\072\222\322\027\126\345\065\032\100\034\076\215\054\355
\071\337\102\340\203\101\164\337\243\315\302\206\140\110\150\343
\151\013\124\000\213\344\166\151\041\015\171\116\064\010\136\024
\302\314\261\267\255\327\174\160\212\307\205\002\003\001\000\001
\243\102\060\100\060\035\006\003\125\035\016\004\026\004\024\373
\357\015\206\236\260\343\335\251\271\361\041\027\177\076\374\360
\167\053\032\060\016\006\003\125\035\017\001\001\377\004\004\003
\002\001\006\060\017\006\003\125\035\023\001\001\377\004\005\060
\003\001\001\377\060\015\006\011\052\206\110\206\367\015\001\001
\013\005\000\003\202\001\001\000\131\377\362\214\365\207\175\161
\075\243\237\033\133\321\332\370\323\234\153\066\275\233\251\141
\353\336\026\054\164\075\236\346\165\332\327\272\247\274\102\027
\347\075\221\353\345\175\335\076\234\361\317\222\254\154\110\314


```
\302\042\077\151\073\305\266\025\057\243\065\306\150\052\034\127
\257\071\357\215\320\065\303\030\014\173\000\126\034\315\213\031
\164\336\276\017\022\340\320\252\241\077\002\064\261\160\316\235
\030\326\010\003\011\106\356\140\340\176\266\304\111\004\121\175
\160\140\274\252\262\377\171\162\172\246\035\075\137\052\370\312
\342\375\071\267\107\271\353\176\337\004\043\257\372\234\006\007
\351\373\143\223\200\100\265\306\154\012\061\050\316\014\237\317
\263\043\065\200\101\215\154\304\067\173\201\057\200\241\100\102
\205\351\331\070\215\350\241\123\315\001\277\151\350\132\006\362
\105\013\220\372\256\341\277\235\362\256\127\074\245\256\262\126
\364\213\145\100\351\375\061\201\054\364\071\011\330\356\153\247
\264\246\035\025\245\230\367\001\201\330\205\175\363\121\134\161
\210\336\272\314\037\200\176\112
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "emSign Root CA - G1"

Issuer: CN=emSign Root CA - G1,O=eMudhra Technologies Limited,OU=emSign PKI,C=IN

Serial Number:31:f5:e4:62:0c:6c:58:ed:d6:d8

Subject: CN=emSign Root CA - G1,O=eMudhra Technologies

Limited,OU=emSign PKI,C=IN

Not Valid Before: Sun Feb 18 18:30:00 2018

Not Valid After : Wed Feb 18 18:30:00 2043

Fingerprint (SHA-256):

40:F6:AF:03:46:A9:9A:A1:CD:1D:55:5A:4E:9C:CE:62:C7:F9:63:46:03:EE:40:66:15:83:3D:C8:C8:D0:03:67

Fingerprint (SHA1): 8A:C7:AD:8F:73:AC:4E:C1:B5:75:4D:A5:40:F4:FC:CF:7C:B5:8E:8C

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "emSign Root CA - G1"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\212\307\255\217\163\254\116\301\265\165\115\245\100\364\374\317
\174\265\216\214
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\234\102\204\127\335\313\013\247\056\225\255\266\363\332\274\254
```

END

CKA_ISSUER MULTILINE_OCTAL

```
\060\147\061\013\060\011\006\003\125\004\006\023\002\111\116\061
\023\060\021\006\003\125\004\013\023\012\145\155\123\151\147\156
\040\120\113\111\061\045\060\043\006\003\125\004\012\023\034\145
\115\165\144\150\162\141\040\124\145\143\150\156\157\154\157\147
\151\145\163\040\114\151\155\151\164\145\144\061\034\060\032\006
\003\125\004\003\023\023\145\155\123\151\147\156\040\122\157\157
```

```

\164\040\103\101\040\055\040\107\061
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\012\061\365\344\142\014\154\130\355\326\330
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "emSign ECC Root CA - G3"
#
# Issuer: CN=emSign ECC Root CA - G3,O=eMudhra Technologies Limited,OU=emSign PKI,C=IN
# Serial Number:3c:f6:07:a9:68:70:0e:da:8b:84
# Subject: CN=emSign ECC Root CA - G3,O=eMudhra Technologies Limited,OU=emSign PKI,C=IN
# Not Valid Before: Sun Feb 18 18:30:00 2018
# Not Valid After : Wed Feb 18 18:30:00 2043
# Fingerprint (SHA-256):
86:A1:EC:BA:08:9C:4A:8D:3B:BE:27:34:C6:12:BA:34:1D:81:3E:04:3C:F9:E8:A8:62:CD:5C:57:A3:6B:BE:6B
# Fingerprint (SHA1): 30:43:FA:4F:F2:57:DC:A0:C3:80:EE:2E:58:EA:78:B2:3F:E6:BB:C1
CKA_CLASS
CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "emSign ECC Root CA - G3"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\153\061\013\060\011\006\003\125\004\006\023\002\111\116\061
\023\060\021\006\003\125\004\013\023\012\145\155\123\151\147\156
\040\120\113\111\061\045\060\043\006\003\125\004\012\023\034\145
\115\165\144\150\162\141\040\124\145\143\150\156\157\154\157\147
\151\145\163\040\114\151\155\151\164\145\144\061\040\060\036\006
\003\125\004\003\023\027\145\155\123\151\147\156\040\105\103\103
\040\122\157\157\164\040\103\101\040\055\040\107\063
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\153\061\013\060\011\006\003\125\004\006\023\002\111\116\061
\023\060\021\006\003\125\004\013\023\012\145\155\123\151\147\156
\040\120\113\111\061\045\060\043\006\003\125\004\012\023\034\145
\115\165\144\150\162\141\040\124\145\143\150\156\157\154\157\147
\151\145\163\040\114\151\155\151\164\145\144\061\040\060\036\006
\003\125\004\003\023\027\145\155\123\151\147\156\040\105\103\103
\040\122\157\157\164\040\103\101\040\055\040\107\063
END

```

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

\002\012\074\366\007\251\150\160\016\332\213\204

END

CKA_VALUE MULTILINE_OCTAL

\060\202\002\116\060\202\001\323\240\003\002\001\002\002\012\074
\366\007\251\150\160\016\332\213\204\060\012\006\010\052\206\110
\316\075\004\003\003\060\153\061\013\060\011\006\003\125\004\006
\023\002\111\116\061\023\060\021\006\003\125\004\013\023\012\145
\155\123\151\147\156\040\120\113\111\061\045\060\043\006\003\125
\004\012\023\034\145\115\165\144\150\162\141\040\124\145\143\150
\156\157\154\157\147\151\145\163\040\114\151\155\151\164\145\144
\061\040\060\036\006\003\125\004\003\023\027\145\155\123\151\147
\156\040\105\103\103\040\122\157\157\164\040\103\101\040\055\040
\107\063\060\036\027\015\061\070\060\062\061\070\061\070\063\060
\060\060\132\027\015\064\063\060\062\061\070\061\070\063\060\060
\060\132\060\153\061\013\060\011\006\003\125\004\006\023\002\111
\116\061\023\060\021\006\003\125\004\013\023\012\145\155\123\151
\147\156\040\120\113\111\061\045\060\043\006\003\125\004\012\023
\034\145\115\165\144\150\162\141\040\124\145\143\150\156\157\154
\157\147\151\145\163\040\114\151\155\151\164\145\144\061\040\060
\036\006\003\125\004\003\023\027\145\155\123\151\147\156\040\105
\103\103\040\122\157\157\164\040\103\101\040\055\040\107\063\060
\166\060\020\006\007\052\206\110\316\075\002\001\006\005\053\201
\004\000\042\003\142\000\004\043\245\014\270\055\022\365\050\363
\261\262\335\342\002\022\200\236\071\137\111\115\237\311\045\064
\131\164\354\273\006\034\347\300\162\257\350\256\057\341\101\124
\207\024\250\112\262\350\174\202\346\133\152\265\334\263\165\316
\213\006\320\206\043\277\106\325\216\017\077\004\364\327\034\222
\176\366\245\143\302\365\137\216\056\117\241\030\031\002\053\062
\012\202\144\175\026\223\321\243\102\060\100\060\035\006\003\125
\035\016\004\026\004\024\174\135\002\204\023\324\314\212\233\201
\316\027\034\056\051\036\234\110\143\102\060\016\006\003\125\035
\017\001\001\377\004\004\003\002\001\006\060\017\006\003\125\035
\023\001\001\377\004\005\060\003\001\001\377\060\012\006\010\052
\206\110\316\075\004\003\003\003\151\000\060\146\002\061\000\276
\363\141\317\002\020\035\144\225\007\270\030\156\210\205\005\057
\203\010\027\220\312\037\212\114\350\015\033\172\261\255\325\201
\011\107\357\073\254\010\004\174\134\231\261\355\107\007\322\002
\061\000\235\272\125\374\251\112\350\355\355\346\166\001\102\173
\310\370\140\331\215\121\213\125\073\373\214\173\353\145\011\303
\370\226\315\107\250\202\362\026\125\167\044\176\022\020\225\004
\054\243

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

```
# Trust for "emSign ECC Root CA - G3"
# Issuer: CN=emSign ECC Root CA - G3,O=eMudhra Technologies
  Limited,OU=emSign PKI,C=IN
# Serial Number:3c:f6:07:a9:68:70:0e:da:8b:84
# Subject: CN=emSign ECC Root CA - G3,O=eMudhra Technologies Limited,OU=emSign PKI,C=IN
# Not Valid Before: Sun Feb 18 18:30:00 2018
# Not Valid After : Wed Feb 18 18:30:00 2043
# Fingerprint (SHA-256):
86:A1:EC:BA:08:9C:4A:8D:3B:BE:27:34:C6:12:BA:34:1D:81:3E:04:3C:F9:E8:A8:62:CD:5C:57:A3:6B:BE:6B
# Fingerprint (SHA1): 30:43:FA:4F:F2:57:DC:A0:C3:80:EE:2E:58:EA:78:B2:3F:E6:BB:C1
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "emSign ECC Root CA - G3"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\060\103\372\117\362\127\334\240\303\200\356\056\130\352\170\262
\077\346\273\301
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\316\013\162\321\237\210\216\320\120\003\350\343\270\213\147\100
END
CKA_ISSUER MULTILINE_OCTAL
\060\153\061\013\060\011\006\003\125\004\006\023\002\111\116\061
\023\060\021\006\003\125\004\013\023\012\145\155\123\151\147\156
\040\120\113\111\061\045\060\043\006\003\125\004\012\023\034\145
\115\165\144\150\162\141\040\124\145\143\150\156\157\154\157\147
\151\145\163\040\114\151\155\151\164\145\144\061\040\060\036\006
\003\125\004\003\023\027\145\155\123\151\147\156\040\105\103\103
\040\122\157\157\164\040\103\101\040\055\040\107\063
END
CKA_SERIAL_NUMBER
  MULTILINE_OCTAL
\002\012\074\366\007\251\150\160\016\332\213\204
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "emSign Root CA - C1"
#
# Issuer: CN=emSign Root CA - C1,O=eMudhra Inc,OU=emSign PKI,C=US
# Serial Number:00:ae:cf:00:ba:c4:cf:32:f8:43:b2
# Subject: CN=emSign Root CA - C1,O=eMudhra Inc,OU=emSign PKI,C=US
# Not Valid Before: Sun Feb 18 18:30:00 2018
```

```
# Not Valid After : Wed Feb 18 18:30:00 2043
# Fingerprint (SHA-256):
12:56:09:AA:30:1D:A0:A2:49:B9:7A:82:39:CB:6A:34:21:6F:44:DC:AC:9F:39:54:B1:42:92:F2:E8:C8:60:8F
#
Fingerprint (SHA1): E7:2E:F1:DF:FC:B2:09:28:CF:5D:D4:D5:67:37:B1:51:CB:86:4F:01
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "emSign Root CA - C1"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\126\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\023\060\021\006\003\125\004\013\023\012\145\155\123\151\147\156
\040\120\113\111\061\024\060\022\006\003\125\004\012\023\013\145
\115\165\144\150\162\141\040\111\156\143\061\034\060\032\006\003
\125\004\003\023\023\145\155\123\151\147\156\040\122\157\157\164
\040\103\101\040\055\040\103\061
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\126\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\023\060\021\006\003\125\004\013\023\012\145\155\123\151\147\156
\040\120\113\111\061\024\060\022\006\003\125\004\012\023\013\145
\115\165\144\150\162\141\040\111\156\143\061\034\060\032\006\003
\125\004\003\023\023\145\155\123\151\147\156\040\122\157\157\164
\040\103\101\040\055\040\103\061
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\013\000\256\317\000\272\304\317\062\370\103\262
END
CKA_VALUE MULTILINE_OCTAL
\060\202\003\163\060\202\002\133\240\003\002\001\002\002\013\000
\256\317\000\272\304\317\062\370\103\262\060\015\006\011\052\206
\110\206\367\015\001\001\013\005\000\060\126\061\013\060\011\006
\003\125\004\006\023\002\125\123\061\023\060\021\006\003\125\004
\013\023\012\145\155\123\151\147\156\040\120\113\111\061\024\060
\022\006\003\125\004\012\023\013\145\115\165\144\150\162\141\040
\111\156\143\061\034\060\032\006\003\125\004\003\023\023\145\155
\123\151\147\156\040\122\157\157\164\040\103\101\040\055\040\103
\061\060\036\027\015\061\070\060\062\061\070\061\070\063\060\060
\060\132\027\015\064\063\060\062\061\070\061\070\063\060\060\060
\132\060\126\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\023\060\021\006\003\125\004\013\023\012\145\155\123\151\147
\156\040\120\113\111\061\024\060\022\006\003\125\004\012\023\013
\145\115\165\144\150\162\141\040\111\156\143\061\034\060\032\006
\003\125\004\003\023\023\145\155\123\151\147\156\040\122\157\157
```

\164\040\103\101\040\055\040\103\061\060\202\001\042\060\015\006
\011\052\206\110\206\367\015\001\001\001\005\000\003\202\001\017
\000\060\202\001\012\002\202\001\001\000\317\353\251\271\361\231
\005\314\330\050\041\112\363\163\064\121\204\126\020\365\240\117
\054\022\343\372\023\232\047\320\317\371\171\032\164\137\035\171
\071\374\133\370\160\216\340\222\122\367\344\045\371\124\203\331
\035\323\310\132\205\077\136\307\266\007\356\076\300\316\232\257
\254\126\102\052\071\045\160\326\277\265\173\066\255\254\366\163
\334\315\327\035\212\203\245\373\053\220\025\067\153\034\046\107
\334\073\051\126\223\152\263\301\152\072\235\075\365\301\227\070
\130\005\213\034\021\343\344\264\270\135\205\035\203\376\170\137
\013\105\150\030\110\245\106\163\064\073\376\017\310\166\273\307
\030\363\005\321\206\363\205\355\347\271\331\062\255\125\210\316
\246\266\221\260\117\254\176\025\043\226\366\077\360\040\064\026
\336\012\306\304\004\105\171\177\247\375\276\322\251\245\257\234
\305\043\052\367\074\041\154\275\257\217\116\305\072\262\363\064
\022\374\337\200\032\111\244\324\251\225\367\236\211\136\242\211
\254\224\313\250\150\233\257\212\145\047\315\211\356\335\214\265
\153\051\160\103\240\151\013\344\271\017\002\003\001\000\001\243
\102\060\100\060\035\006\003\125\035\016\004\026\004\024\376\241
\340\160\036\052\003\071\122\132\102\276\134\221\205\172\030\252
\115\265\060\016\006\003\125\035\017\001\001\377\004\004\003\002
\001\006\060\017\006\003\125\035\023\001\001\377\004\005\060\003
\001\001\377\060\015\006\011\052\206\110\206\367\015\001\001\013
\005\000\003\202\001\001\000\302\112\126\372\025\041\173\050\242
\351\345\035\373\370\055\304\071\226\101\114\073\047\054\304\154
\030\025\200\306\254\257\107\131\057\046\013\343\066\260\357\073
\376\103\227\111\062\231\022\025\133\337\021\051\377\253\123\370
\273\301\170\017\254\234\123\257\127\275\150\214\075\151\063\360
\243\240\043\143\073\144\147\042\104\255\325\161\313\126\052\170
\222\243\117\022\061\066\066\342\336\376\000\304\243\140\017\047
\255\240\260\212\265\066\172\122\241\275\047\364\040\047\142\350
\115\224\044\023\344\012\004\351\074\253\056\310\103\011\112\306
\141\004\345\111\064\176\323\304\310\365\017\300\252\351\272\124
\136\363\143\053\117\117\120\324\376\271\173\231\214\075\300\056
\274\002\053\323\304\100\344\212\007\061\036\233\316\046\231\023
\373\021\352\232\042\014\021\031\307\136\033\201\120\060\310\226
\022\156\347\313\101\177\221\073\242\107\267\124\200\033\334\000
\314\232\220\352\303\303\120\006\142\014\060\300\025\110\247\250
\131\174\341\256\042\242\342\012\172\017\372\142\253\122\114\341
\361\337\312\276\203\015\102

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER

CK_BBOOL CK_FALSE

```

# Trust for "emSign Root CA - C1"
# Issuer: CN=emSign Root CA - C1,O=eMudhra Inc,OU=emSign PKI,C=US
# Serial Number:00:ae:cf:00:ba:c4:cf:32:f8:43:b2
# Subject: CN=emSign Root CA - C1,O=eMudhra Inc,OU=emSign PKI,C=US
# Not Valid Before: Sun Feb 18 18:30:00 2018
# Not Valid After : Wed Feb 18 18:30:00 2043
# Fingerprint (SHA-256):
12:56:09:AA:30:1D:A0:A2:49:B9:7A:82:39:CB:6A:34:21:6F:44:DC:AC:9F:39:54:B1:42:92:F2:E8:C8:60:8F
# Fingerprint (SHA1): E7:2E:F1:DF:FC:B2:09:28:CF:5D:D4:D5:67:37:B1:51:CB:86:4F:01
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "emSign Root CA - C1"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\347\056\361\337\374\262\011\050\317\135\324\325\147\067\261\121
\313\206\117\001
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\330\343\135\001\041\372\170\132\260\337\272\322\356\052\137\150
END
CKA_ISSUER MULTILINE_OCTAL
\060\126\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\023\060\021\006\003\125\004\013\023\012\145\155\123\151\147\156
\040\120\113\111\061\024\060\022\006\003\125\004\012\023\013\145
\115\165\144\150\162\141\040\111\156\143\061\034\060\032\006\003
\125\004\003\023\023\145\155\123\151\147\156\040\122\157\157\164
\040\103\101\040\055\040\103\061
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\013\000\256\317\000\272\304\317\062\370\103\262
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "emSign ECC Root CA - C3"
#
# Issuer: CN=emSign ECC Root CA - C3,O=eMudhra Inc,OU=emSign PKI,C=US
# Serial Number:7b:71:b6:82:56:b8:12:7c:9c:a8
# Subject: CN=emSign ECC Root CA - C3,O=eMudhra Inc,OU=emSign PKI,C=US
# Not Valid Before: Sun Feb 18 18:30:00 2018
# Not Valid After : Wed Feb 18 18:30:00 2043
# Fingerprint (SHA-256):
BC:4D:80:9B:15:18:9D:78:DB:3E:1D:8C:F4:F9:72:6A:79:5D:A1:64:3C:A5:F1:35:8E:1D:DB:0E:DC:0D:7E:B3

```

```
#
Fingerprint (SHA1): B6:AF:43:C2:9B:81:53:7D:F6:EF:6B:C3:1F:1F:60:15:0C:EE:48:66
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "emSign ECC Root CA - C3"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\132\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\023\060\021\006\003\125\004\013\023\012\145\155\123\151\147\156
\040\120\113\111\061\024\060\022\006\003\125\004\012\023\013\145
\115\165\144\150\162\141\040\111\156\143\061\040\060\036\006\003
\125\004\003\023\027\145\155\123\151\147\156\040\105\103\103\040
\122\157\157\164\040\103\101\040\055\040\103\063
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\132\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\023\060\021\006\003\125\004\013\023\012\145\155\123\151\147\156
\040\120\113\111\061\024\060\022\006\003\125\004\012\023\013\145
\115\165\144\150\162\141\040\111\156\143\061\040\060\036\006\003
\125\004\003\023\027\145\155\123\151\147\156\040\105\103\103\040
\122\157\157\164\040\103\101\040\055\040\103\063
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\012\173\161\266\202\126\270\022\174\234\250
END
CKA_VALUE MULTILINE_OCTAL
\060\202\002\053\060\202\001\261\240\003\002\001\002\002\012\173
\161\266\202\126\270\022\174\234\250\060\012\006\010\052\206\110
\316\075\004\003\003\060\132\061\013\060\011\006\003\125\004\006
\023\002\125\123\061\023\060\021\006\003\125\004\013\023\012\145
\155\123\151\147\156\040\120\113\111\061\024\060\022\006\003\125
\004\012\023\013\145\115\165\144\150\162\141\040\111\156\143\061
\040\060\036\006\003\125\004\003\023\027\145\155\123\151\147\156
\040\105\103\103\040\122\157\157\164\040\103\101\040\055\040\103
\063\060\036\027\015\061\070\060\062\061\070\061\070\063\060\060
\060\132\027\015\064\063\060\062\061\070\061\070\063\060\060\060
\132\060\132\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\023\060\021\006\003\125\004\013\023\012\145\155\123\151\147
\156\040\120\113\111\061\024\060\022\006\003\125\004\012\023\013
\145\115\165\144\150\162\141\040\111\156\143\061\040\060\036\006
\003\125\004\003\023\027\145\155\123\151\147\156\040\105\103\103
\040\122\157\157\164\040\103\101\040\055\040\103\063\060\166\060
\020\006\007\052\206\110\316\075\002\001\006\005\053\201\004\000
\042\003\142\000\004\375\245\141\256\173\046\020\035\351\267\042
```



```
\060\256\006\364\201\263\261\102\161\225\071\274\323\122\343\257
\257\371\362\227\065\222\066\106\016\207\225\215\271\071\132\351
\273\337\320\376\310\007\101\074\273\125\157\203\243\152\373\142
\260\201\211\002\160\175\110\305\112\343\351\042\124\042\115\223
\273\102\014\257\167\234\043\246\175\327\141\021\316\145\307\370
\177\376\365\362\251\243\102\060\100\060\035\006\003\125\035\016
\004\026\004\024\373\132\110\320\200\040\100\362\250\351\000\007
\151\031\167\247\346\303\364\317\060\016\006\003\125\035\017\001
\001\377\004\004\003\002\001\006\060\017\006\003\125\035\023\001
\001\377\004\005\060\003\001\001\377\060\012\006\010\052\206\110
\316\075\004\003\003\003\150\000\060\145\002\061\000\264\330\057
\002\211\375\266\114\142\272\103\116\023\204\162\265\256\335\034
\336\326\265\334\126\217\130\100\132\055\336\040\114\042\203\312
\223\250\176\356\022\100\307\326\207\117\370\337\205\002\060\034
\024\144\344\174\226\203\021\234\260\321\132\141\113\246\017\111
\323\000\374\241\374\344\245\377\177\255\327\060\320\307\167\177
\276\201\007\125\060\120\040\024\365\127\070\012\250\061\121
```

END

CKA_NSS_Mozilla_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "emSign ECC Root CA - C3"

Issuer: CN=emSign ECC Root CA - C3,O=eMudhra Inc,OU=emSign PKI,C=US

Serial Number:7b:71:b6:82:56:b8:12:7c:9c:a8

Subject: CN=emSign ECC Root CA - C3,O=eMudhra Inc,OU=emSign PKI,C=US

Not Valid Before: Sun Feb 18 18:30:00 2018

#

Not Valid After : Wed Feb 18 18:30:00 2043

Fingerprint (SHA-256):

BC:4D:80:9B:15:18:9D:78:DB:3E:1D:8C:F4:F9:72:6A:79:5D:A1:64:3C:A5:F1:35:8E:1D:DB:0E:DC:0D:7E:B3

Fingerprint (SHA1): B6:AF:43:C2:9B:81:53:7D:F6:EF:6B:C3:1F:1F:60:15:0C:EE:48:66

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "emSign ECC Root CA - C3"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\266\257\103\302\233\201\123\175\366\357\153\303\037\037\140\025
\014\356\110\146
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\076\123\263\243\201\356\327\020\370\323\260\035\027\222\365\325
```

END

CKA_ISSUER MULTILINE_OCTAL

```
\060\132\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\023\060\021\006\003\125\004\013\023\012\145\155\123\151\147\156
```

```
\040\120\113\111\061\024\060\022\006\003\125\004\012\023\013\145
\115\165\144\150\162\141\040\111\156\143\061\040\060\036\006\003
\125\004\003\023\027\145\155\123\151\147\156\040\105\103\103\040
\122\157\157\164\040\103\101\040\055\040\103\063
```

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

```
\002\012\173\161\266\202\126\270\022\174\234\250
```

END

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#

Certificate "Hongkong Post Root CA 3"

#

Issuer: CN=Hongkong Post Root CA 3,O=Hongkong Post,L=Hong Kong,ST=Hong Kong,C=HK

Serial Number:08:16:5f:8a:4c:a5:ec:00:c9:93:40:df:c4:c6:ae:23:b8:1c:5a:a4

Subject: CN=Hongkong Post Root CA 3,O=Hongkong Post,L=Hong Kong,ST=Hong Kong,C=HK

Not Valid Before: Sat Jun 03 02:29:46 2017

Not Valid After : Tue Jun 03 02:29:46 2042

Fingerprint (SHA-256):

5A:2F:C0:3F:0C:83:B0:90:BB:FA:40:60:4B:09:88:44:6C:76:36:18:3D:F9:84:6E:17:10:1A:44:7F:B8:EF:D6

Fingerprint (SHA1): 58:A2:D0:EC:20:52:81:5B:C1:F3:F8:64:02:24:4E:C2:8E:02:4B:02

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE

CKA_TOKEN CK_BBOOL

CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "Hongkong Post Root CA 3"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL

```
\060\157\061\013\060\011\006\003\125\004\006\023\002\110\113\061
\022\060\020\006\003\125\004\010\023\011\110\157\156\147\040\113
\157\156\147\061\022\060\020\006\003\125\004\007\023\011\110\157
\156\147\040\113\157\156\147\061\026\060\024\006\003\125\004\012
\023\015\110\157\156\147\153\157\156\147\040\120\157\163\164\061
\040\060\036\006\003\125\004\003\023\027\110\157\156\147\153\157
\156\147\040\120\157\163\164\040\122\157\157\164\040\103\101\040
\063
```

END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

```
\060\157\061\013\060\011\006\003\125\004\006\023\002\110\113\061
\022\060\020\006\003\125\004\010\023\011\110\157\156\147\040\113
\157\156\147\061\022\060\020\006\003\125\004\007\023\011\110\157
\156\147\040\113\157\156\147\061\026\060\024\006\003\125\004\012
```

\023\015\110\157\156\147\153\157\156\147\040\120\157\163\164\061
\040\060\036\006\003\125\004\003\023\027\110\157\156\147\153\157
\156\147\040\120\157\163\164\040\122\157\157\164\040\103\101\040
\063

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

\002\024\010\026\137\212\114\245\354\000\311\223\100\337\304\306
\256\043\270\034\132\244

END

CKA_VALUE MULTILINE_OCTAL

\060\202\005\317\060\202\003\267\240\003\002\001\002\002\024\010
\026\137\212\114\245\354\000\311\223\100\337\304\306\256\043\270
\034\132\244\060\015\006\011\052\206\110\206\367\015\001\001\013
\005\000\060\157\061\013\060\011\006\003\125\004\006\023\002\110
\113\061\022\060\020\006\003\125\004\010\023\011\110\157\156\147
\040\113\157\156\147\061\022\060\020\006\003\125\004\007\023\011
\110\157\156\147\040\113\157\156\147\061\026\060\024\006\003\125
\004\012\023\015\110\157\156\147\153\157\156\147\040\120\157\163
\164\061\040\060\036\006\003\125\004\003\023\027\110\157\156\147
\153\157\156\147\040\120\157\163\164\040\122\157\157\164\040\103
\101\040\063\060\036\027\015\061\067\060\066\060\063\060\062\062
\071\064\066\132\027\015\064\062\060\066\060\063\060\062\062\071
\064\066\132\060\157\061\013\060\011\006\003\125\004\006\023\002
\110\113\061\022\060\020\006\003\125\004\010\023\011\110\157\156
\147\040\113\157\156\147\061\022\060\020\006\003\125\004\007\023
\011\110\157\156\147\040\113\157\156\147\061\026\060\024\006\003
\125\004\012\023\015\110\157\156\147\153\157\156\147\040\120\157
\163\164\061\040\060\036\006\003\125\004\003\023\027\110\157\156
\147\153\157\156\147\040\120\157\163\164\040\122\157\157\164\040
\103\101\040\063\060\202\002\042\060\015\006\011\052\206\110\206
\367\015\001\001\001\005\000\003\202\002\017\000\060\202\002\012
\002\202\002\001\000\263\210\327\352\316\017\040\116\276\346\326
\003\155\356\131\374\302\127\337\051\150\241\203\016\076\150\307
\150\130\234\034\140\113\211\103\014\271\324\025\262\356\301\116
\165\351\265\247\357\345\351\065\231\344\314\034\347\113\137\215
\063\060\040\063\123\331\246\273\325\076\023\216\351\037\207\111
\255\120\055\120\312\030\276\001\130\242\023\160\226\273\211\210
\126\200\134\370\275\054\074\341\114\127\210\273\323\271\225\357
\313\307\366\332\061\164\050\246\346\124\211\365\101\061\312\345
\046\032\315\202\340\160\332\073\051\273\325\003\365\231\272\125
\365\144\321\140\016\263\211\111\270\212\057\005\322\204\105\050
\174\217\150\120\022\170\374\013\265\123\313\302\230\034\204\243
\236\260\276\043\244\332\334\310\053\036\332\156\105\036\211\230
\332\371\000\056\006\351\014\073\160\325\120\045\210\231\313\315
\163\140\367\325\377\065\147\305\241\274\136\253\315\112\270\105
\353\310\150\036\015\015\024\106\022\343\322\144\142\212\102\230
\274\264\306\010\010\370\375\250\114\144\234\166\001\275\057\251

\154\063\017\330\077\050\270\074\151\001\102\206\176\151\301\311
\006\312\345\172\106\145\351\302\326\120\101\056\077\267\344\355
\154\327\277\046\001\021\242\026\051\112\153\064\006\220\354\023
\322\266\373\152\166\322\074\355\360\326\055\335\341\025\354\243
\233\057\054\311\076\053\344\151\073\377\162\045\261\066\206\133
\307\177\153\213\125\033\112\305\040\141\075\256\313\120\341\010
\072\276\260\217\143\101\123\060\010\131\074\230\035\167\272\143
\221\172\312\020\120\140\277\360\327\274\225\207\217\227\305\376
\227\152\001\224\243\174\133\205\035\052\071\072\320\124\241\321
\071\161\235\375\041\371\265\173\360\342\340\002\217\156\226\044
\045\054\240\036\054\250\304\211\247\357\355\231\006\057\266\012
\114\117\333\242\314\067\032\257\107\205\055\212\137\304\064\064
\114\000\375\030\223\147\023\321\067\346\110\264\213\006\305\127
\173\031\206\012\171\313\000\311\122\257\102\377\067\217\341\243
\036\172\075\120\253\143\006\347\025\265\077\266\105\067\224\067
\261\176\362\110\303\177\305\165\376\227\215\105\217\032\247\032
\162\050\032\100\017\002\003\001\000\001\243\143\060\141\060\017
\006\003\125\035\023\001\001\377\004\005\060\003\001\001\377\060
\016\006\003\125\035\017\001\001\377\004\004\003\002\001\006\060
\037\006\003\125\035\043\004\030\060\026\200\024\027\235\315\036
\213\326\071\053\160\323\134\324\240\270\037\260\000\374\305\141
\060\035\006\003\125\035\016\004\026\004\024\027\235\315\036\213
\326\071\053\160\323\134\324\240\270\037\260\000\374\305\141\060
\015\006\011\052\206\110\206\367\015\001\001\013\005\000\003\202
\002\001\000\126\325\173\156\346\042\001\322\102\233\030\325\016
\327\146\043\134\343\376\240\307\222\322\351\224\255\113\242\306
\354\022\174\164\325\110\322\131\024\231\300\353\271\321\353\364
\110\060\133\255\247\127\163\231\251\323\345\267\321\056\131\044
\130\334\150\056\056\142\330\152\344\160\013\055\040\120\040\244
\062\225\321\000\230\273\323\375\367\062\362\111\256\306\172\340
\107\276\156\316\313\243\162\072\055\151\135\313\310\350\105\071
\324\372\102\301\021\114\167\135\222\373\152\377\130\104\345\353
\201\236\257\240\231\255\276\251\001\146\313\070\035\074\337\103
\037\364\115\156\264\272\027\106\374\175\375\207\201\171\152\015
\063\017\372\057\370\024\271\200\263\135\115\252\227\341\371\344
\030\305\370\325\070\214\046\074\375\362\050\342\356\132\111\210
\054\337\171\075\216\236\220\074\275\101\112\072\335\133\366\232
\264\316\077\045\060\177\062\175\242\003\224\320\334\172\241\122
\336\156\223\215\030\046\375\125\254\275\217\233\322\317\257\347
\206\054\313\037\011\157\243\157\251\204\324\163\277\115\241\164
\033\116\043\140\362\314\016\252\177\244\234\114\045\250\262\146
\073\070\377\331\224\060\366\162\204\276\150\125\020\017\306\163
\054\026\151\223\007\376\261\105\355\273\242\125\152\260\332\265
\112\002\045\047\205\327\267\267\206\104\026\211\154\200\053\076
\227\251\234\325\176\125\114\306\336\105\020\034\352\351\073\237
\003\123\356\356\172\001\002\026\170\324\350\302\276\106\166\210
\023\077\042\273\110\022\035\122\000\264\002\176\041\032\036\234
\045\364\363\075\136\036\322\034\371\263\055\266\367\067\134\306

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\313\041\116\260\367\231\107\030\205\301\053\272\125\256\006\352
\320\007\262\334\253\320\202\226\165\316\322\120\376\231\347\317
\057\237\347\166\321\141\052\373\041\273\061\320\252\237\107\244
\262\042\312\026\072\120\127\304\133\103\147\305\145\142\003\111
\001\353\103\331\330\370\236\255\317\261\143\016\105\364\240\132
\054\233\055\305\246\300\255\250\107\364\047\114\070\015\056\033
\111\073\122\364\350\210\203\053\124\050\324\362\065\122\264\062
\203\142\151\144\014\221\234\237\227\352\164\026\375\037\021\006
\232\233\364
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

Trust for "Hongkong Post Root CA 3"

Issuer: CN=Hongkong Post Root CA 3,O=Hongkong Post,L=Hong Kong,ST=Hong Kong,C=HK

Serial Number:08:16:5f:8a:4c:a5:ec:00:c9:93:40:df:c4:c6:ae:23:b8:1c:5a:a4

Subject: CN=Hongkong Post Root CA 3,O=Hongkong Post,L=Hong Kong,ST=Hong Kong,C=HK

Not Valid Before: Sat Jun 03 02:29:46 2017

Not Valid After : Tue Jun 03 02:29:46 2042

Fingerprint (SHA-256):

5A:2F:C0:3F:0C:83:B0:90:BB:FA:40:60:4B:09:88:44:6C:76:36:18:3D:F9:84:6E:17:10:1A:44:7F:B8:EF:D6

#

Fingerprint (SHA1): 58:A2:D0:EC:20:52:81:5B:C1:F3:F8:64:02:24:4E:C2:8E:02:4B:02

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "Hongkong Post Root CA 3"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\130\242\320\354\040\122\201\133\301\363\370\144\002\044\116\302
\216\002\113\002
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\021\374\237\275\163\060\002\212\375\077\363\130\271\313\040\360
```

END

CKA_ISSUER MULTILINE_OCTAL

```
\060\157\061\013\060\011\006\003\125\004\006\023\002\110\113\061
\022\060\020\006\003\125\004\010\023\011\110\157\156\147\040\113
\157\156\147\061\022\060\020\006\003\125\004\007\023\011\110\157
\156\147\040\113\157\156\147\061\026\060\024\006\003\125\004\012
\023\015\110\157\156\147\153\157\156\147\040\120\157\163\164\061
\040\060\036\006\003\125\004\003\023\027\110\157\156\147\153\157
\156\147\040\120\157\163\164\040\122\157\157\164\040\103\101\040
\063
```

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\002\024\010\026\137\212\114\245\354\000\311\223\100\337\304\306
\256\043\270\034\132\244

END

CKA_TRUST_SERVER_AUTH

CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#

Certificate "Entrust Root Certification Authority - G4"

#

Issuer: CN=Entrust Root Certification Authority - G4,OU="(c) 2015 Entrust, Inc. - for authorized use only",OU=See www.entrust.net/legal-terms,O="Entrust, Inc.",C=US

Serial Number:00:d9:b5:43:7f:af:a9:39:0f:00:00:00:00:55:65:ad:58

Subject: CN=Entrust Root Certification Authority - G4,OU="(c) 2015 Entrust, Inc. - for authorized use only",OU=See www.entrust.net/legal-terms,O="Entrust, Inc.",C=US

Not Valid Before: Wed May 27 11:11:16 2015

Not Valid After : Sun Dec 27 11:41:16 2037

Fingerprint (SHA-256):

DB:35:17:D1:F6:73:2A:2D:5A:B9:7C:53:3E:C7:07:79:EE:32:70:A6:2F:B4:AC:42:38:37:24:60:E6:F0:1E:88

#

Fingerprint (SHA1): 14:88:4E:86:26:37:B0:26:AF:59:62:5C:40:77:EC:35:29:BA:96:01

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "Entrust Root Certification Authority - G4"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL

\060\201\276\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\026\060\024\006\003\125\004\012\023\015\105\156\164\162\165
\163\164\054\040\111\156\143\056\061\050\060\046\006\003\125\004
\013\023\037\123\145\145\040\167\167\167\056\145\156\164\162\165
\163\164\056\156\145\164\057\154\145\147\141\154\055\164\145\162
\155\163\061\071\060\067\006\003\125\004\013\023\060\050\143\051
\040\062\060\061\065\040\105\156\164\162\165\163\164\054\040\111
\156\143\056\040\055\040\146\157\162\040\141\165\164\150\157\162
\151\172\145\144\040\165\163\145\040\157\156\154\171\061\062\060
\060\006\003\125\004\003\023\051\105\156\164\162\165\163\164\040
\122\157\157\164\040\103\145\162\164\151\146\151\143\141\164\151
\157\156\040\101\165\164\150\157\162\151\164\171\040\055\040\107
\064

END

CKA_ID

UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

\060\201\276\061\013\060\011\006\003\125\004\006\023\002\125\123

\061\026\060\024\006\003\125\004\012\023\015\105\156\164\162\165
\163\164\054\040\111\156\143\056\061\050\060\046\006\003\125\004
\013\023\037\123\145\145\040\167\167\167\056\145\156\164\162\165
\163\164\056\156\145\164\057\154\145\147\141\154\055\164\145\162
\155\163\061\071\060\067\006\003\125\004\013\023\060\050\143\051
\040\062\060\061\065\040\105\156\164\162\165\163\164\054\040\111
\156\143\056\040\055\040\146\157\162\040\141\165\164\150\157\162
\151\172\145\144\040\165\163\145\040\157\156\154\171\061\062\060
\060\006\003\125\004\003\023\051\105\156\164\162\165\163\164\040
\122\157\157\164\040\103\145\162\164\151\146\151\143\141\164\151
\157\156\040\101\165\164\150\157\162\151\164\171\040\055\040\107
\064

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\002\021\000\331\265\103\177\257\251\071\017\000\000\000\000\125
\145\255\130

END

CKA_VALUE

MULTILINE_OCTAL

\060\202\006\113\060\202\004\063\240\003\002\001\002\002\021\000
\331\265\103\177\257\251\071\017\000\000\000\000\125\145\255\130
\060\015\006\011\052\206\110\206\367\015\001\001\013\005\000\060
\201\276\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\026\060\024\006\003\125\004\012\023\015\105\156\164\162\165\163
\164\054\040\111\156\143\056\061\050\060\046\006\003\125\004\013
\023\037\123\145\145\040\167\167\167\056\145\156\164\162\165\163
\164\056\156\145\164\057\154\145\147\141\154\055\164\145\162\155
\163\061\071\060\067\006\003\125\004\013\023\060\050\143\051\040
\062\060\061\065\040\105\156\164\162\165\163\164\054\040\111\156
\143\056\040\055\040\146\157\162\040\141\165\164\150\157\162\151
\172\145\144\040\165\163\145\040\157\156\154\171\061\062\060\060
\006\003\125\004\003\023\051\105\156\164\162\165\163\164\040\122
\157\157\164\040\103\145\162\164\151\146\151\143\141\164\151\157
\156\040\101\165\164\150\157\162\151\164\171\040\055\040\107\064
\060\036\027\015\061\065\060\065\062\067\061\061\061\061\061\066
\132\027\015\063\067\061\062\062\067\061\061\064\061\061\066\132
\060\201\276\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\026\060\024\006\003\125\004\012\023\015\105\156\164\162\165
\163\164\054\040\111\156\143\056\061\050\060\046\006\003\125\004
\013\023\037\123\145\145\040\167\167\167\056\145\156\164\162\165
\163\164\056\156\145\164\057\154\145\147\141\154\055\164\145\162
\155\163\061\071\060\067\006\003\125\004\013\023\060\050\143\051
\040\062\060\061\065\040\105\156\164\162\165\163\164\054\040\111
\156\143\056\040\055\040\146\157\162\040\141\165\164\150\157\162
\151\172\145\144\040\165\163\145\040\157\156\154\171\061\062\060
\060\006\003\125\004\003\023\051\105\156\164\162\165\163\164\040
\122\157\157\164\040\103\145\162\164\151\146\151\143\141\164\151
\157\156\040\101\165\164\150\157\162\151\164\171\040\055\040\107

\064\060\202\002\042\060\015\006\011\052\206\110\206\367\015\001
\001\001\005\000\003\202\002\017\000\060\202\002\012\002\202\002
\001\000\261\354\054\102\356\342\321\060\377\245\222\107\342\055
\303\272\144\227\155\312\367\015\265\131\301\263\313\250\150\031
\330\257\204\155\060\160\135\176\363\056\322\123\231\341\376\037
\136\331\110\257\135\023\215\333\377\143\063\115\323\000\002\274
\304\370\321\006\010\224\171\130\212\025\336\051\263\375\375\304
\117\350\252\342\240\073\171\315\277\153\103\062\335\331\164\020
\271\367\364\150\324\273\320\207\325\252\113\212\052\157\052\004
\265\262\246\307\240\172\346\110\253\322\321\131\314\326\176\043
\346\227\154\360\102\345\334\121\113\025\101\355\111\112\311\336
\020\227\326\166\301\357\245\265\066\024\227\065\330\170\042\065
\122\357\103\275\333\047\333\141\126\202\064\334\313\210\140\014
\013\132\345\054\001\306\124\257\327\252\301\020\173\322\005\132
\270\100\236\206\247\303\220\206\002\126\122\011\172\234\322\047
\202\123\112\145\122\152\365\074\347\250\362\234\257\213\275\323
\016\324\324\136\156\207\236\152\075\105\035\321\135\033\364\351
\012\254\140\231\373\211\264\377\230\054\317\174\035\351\002\252
\004\232\036\270\334\210\156\045\263\154\146\367\074\220\363\127
\301\263\057\365\155\362\373\312\241\370\051\235\106\213\263\152
\366\346\147\007\276\054\147\012\052\037\132\262\076\127\304\323
\041\041\143\145\122\221\033\261\231\216\171\176\346\353\215\000
\331\132\252\352\163\350\244\202\002\107\226\376\133\216\124\141
\243\353\057\113\060\260\213\043\165\162\174\041\074\310\366\361
\164\324\034\173\243\005\125\356\273\115\073\062\276\232\167\146
\236\254\151\220\042\007\037\141\072\226\276\345\232\117\314\005
\074\050\131\323\301\014\124\250\131\141\275\310\162\114\350\334
\237\207\177\275\234\110\066\136\225\243\016\271\070\044\125\374
\165\146\353\002\343\010\064\051\112\306\343\053\057\063\240\332
\243\206\245\022\227\375\200\053\332\024\102\343\222\275\076\362
\135\136\147\164\056\034\210\107\051\064\137\342\062\250\234\045
\067\214\272\230\000\227\213\111\226\036\375\045\212\254\334\332
\330\135\164\156\146\260\377\104\337\241\030\306\276\110\057\067
\224\170\370\225\112\077\177\023\136\135\131\375\164\206\103\143
\163\111\002\003\001\000\001\243\102\060\100\060\017\006\003\125
\035\023\001\001\377\004\005\060\003\001\001\377\060\016\006\003
\125\035\017\001\001\377\004\004\003\002\001\006\060\035\006\003
\125\035\016\004\026\004\024\237\070\304\126\043\303\071\350\240
\161\154\350\124\114\344\350\072\261\277\147\060\015\006\011\052
\206\110\206\367\015\001\001\013\005\000\003\202\002\001\000\022
\345\102\246\173\213\017\014\344\106\245\266\140\100\207\214\045
\176\255\270\150\056\133\306\100\166\074\003\370\311\131\364\363
\253\142\316\020\215\264\132\144\214\150\300\260\162\103\064\322
\033\013\366\054\123\322\312\220\113\206\146\374\252\203\042\364
\213\032\157\046\110\254\166\167\010\277\305\230\134\364\046\211
\236\173\303\271\144\062\001\177\323\303\335\130\155\354\261\253
\204\125\164\167\204\004\047\122\153\206\114\316\335\271\145\377
\326\306\136\237\232\020\231\113\165\152\376\152\351\227\040\344


```
\344\166\172\306\320\044\252\220\315\040\220\272\107\144\373\177
\007\263\123\170\265\012\142\362\163\103\316\101\053\201\152\056
\205\026\224\123\324\153\137\162\042\253\121\055\102\325\000\234
\231\277\336\273\224\073\127\375\232\365\206\313\126\073\133\210
\001\345\174\050\113\003\371\111\203\174\262\177\174\343\355\216
\241\177\140\123\216\125\235\120\064\022\017\267\227\173\154\207
\112\104\347\365\155\354\200\067\360\130\031\156\112\150\166\360
\037\222\344\352\265\222\323\141\121\020\013\255\247\331\137\307
\137\334\037\243\134\214\241\176\233\267\236\323\126\157\146\136
\007\226\040\355\013\164\373\146\116\213\021\025\351\201\111\176
\157\260\324\120\177\042\327\137\145\002\015\246\364\205\036\330
\256\006\113\112\247\322\061\146\302\370\316\345\010\246\244\002
\226\104\150\127\304\325\063\317\031\057\024\304\224\034\173\244
\331\360\237\016\261\200\342\321\236\021\144\251\210\021\072\166
\202\345\142\302\200\330\244\203\355\223\357\174\057\220\260\062
\114\226\025\150\110\122\324\231\010\300\044\350\034\343\263\245
\041\016\222\300\220\037\317\040\137\312\073\070\307\267\155\072
\363\346\104\270\016\061\153\210\216\160\353\234\027\122\250\101
\224\056\207\266\347\246\022\305\165\337\133\300\012\156\173\244
\344\136\206\371\066\224\337\167\303\351\015\300\071\361\171\273
\106\216\253\103\131\047\267\040\273\043\351\126\100\041\354\061
\075\145\252\103\362\075\337\160\104\341\272\115\046\020\073\230
\237\363\310\216\033\070\126\041\152\121\223\323\221\312\106\332
\211\267\075\123\203\054\010\037\213\217\123\335\377\254\037
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

Trust for "Entrust Root Certification Authority - G4"

Issuer: CN=Entrust Root Certification Authority - G4,OU="(c) 2015 Entrust, Inc. - for authorized use only",OU=See www.entrust.net/legal-terms,O="Entrust, Inc.",C=US

Serial Number:00:d9:b5:43:7f:af:a9:39:0f:00:00:00:00:55:65:ad:58

#

Subject: CN=Entrust Root Certification Authority - G4,OU="(c) 2015 Entrust, Inc. - for authorized use only",OU=See www.entrust.net/legal-terms,O="Entrust, Inc.",C=US

Not Valid Before: Wed May 27 11:11:16 2015

Not Valid After : Sun Dec 27 11:41:16 2037

Fingerprint (SHA-256):

DB:35:17:D1:F6:73:2A:2D:5A:B9:7C:53:3E:C7:07:79:EE:32:70:A6:2F:B4:AC:42:38:37:24:60:E6:F0:1E:88

Fingerprint (SHA1): 14:88:4E:86:26:37:B0:26:AF:59:62:5C:40:77:EC:35:29:BA:96:01

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "Entrust Root Certification Authority - G4"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\024\210\116\206\046\067\260\046\257\131\142\134\100\167\354\065
```

```
\051\272\226\001
```

```

END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\211\123\361\203\043\267\174\216\005\361\214\161\070\116\037\210
END
CKA_ISSUER MULTILINE_OCTAL
\060\201\276\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\026\060\024\006\003\125\004\012\023\015\105\156\164\162\165
\163\164\054\040\111\156\143\056\061\050\060\046\006\003\125\004
\013\023\037\123\145\145\040\167\167\167\056\145\156\164\162\165
\163\164\056\156\145\164\057\154\145\147\141\154\055\164\145\162
\155\163\061\071\060\067\006\003\125\004\013\023\060\050\143\051
\040\062\060\061\065\040\105\156\164\162\165\163\164\054\040\111
\156\143\056\040\055\040\146\157\162\040\141\165\164\150\157\162
\151\172\145\144\040\165\163\145\040\157\156\154\171\061\062\060
\060\006\003\125\004\003\023\051\105\156\164\162\165\163\164\040
\122\157\157\164\040\103\145\162\164\151\146\151\143\141\164\151
\157\156\040\101\165\164\150\157\162\151\164\171\040\055\040\107
\064
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\021\000\331\265\103\177\257\251\071\017\000\000\000\000\125
\145\255\130
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED
CK_BBOOL CK_FALSE

#
# Certificate "Microsoft ECC Root Certificate Authority 2017"
#
# Issuer: CN=Microsoft ECC Root Certificate Authority 2017,O=Microsoft Corporation,C=US
# Serial Number:66:f2:3d:af:87:de:8b:b1:4a:ea:0c:57:31:01:c2:ec
# Subject: CN=Microsoft ECC Root Certificate Authority 2017,O=Microsoft Corporation,C=US
# Not Valid Before: Wed Dec 18 23:06:45 2019
# Not Valid After : Fri Jul 18 23:16:04 2042
# Fingerprint (SHA-256):
35:8D:F3:9D:76:4A:F9:E1:B7:66:E9:C9:72:DF:35:2E:E1:5C:FA:C2:27:AF:6A:D1:D7:0E:8E:4A:6E:DC:BA:02
# Fingerprint (SHA1): 99:9A:64:C3:7F:F4:7D:9F:AB:95:F1:47:69:89:14:60:EE:C4:C3:C5
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Microsoft ECC Root Certificate Authority 2017"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL

```

\060\145\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\036\060\034\006\003\125\004\012\023\025\115\151\143\162\157\163
\157\146\164\040\103\157\162\160\157\162\141\164\151\157\156\061
\066\060\064\006\003\125\004\003\023\055\115\151\143\162\157\163
\157\146\164\040\105\103\103\040\122\157\157\164\040\103\145\162
\164\151\146\151\143\141\164\145\040\101\165\164\150\157\162\151
\164\171\040\062\060\061\067

END

CKA_ID

UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

\060\145\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\036\060\034\006\003\125\004\012\023\025\115\151\143\162\157\163
\157\146\164\040\103\157\162\160\157\162\141\164\151\157\156\061
\066\060\064\006\003\125\004\003\023\055\115\151\143\162\157\163
\157\146\164\040\105\103\103\040\122\157\157\164\040\103\145\162
\164\151\146\151\143\141\164\145\040\101\165\164\150\157\162\151
\164\171\040\062\060\061\067

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\002\020\146\362\075\257\207\336\213\261\112\352\014\127\061\001
\302\354

END

CKA_VALUE MULTILINE_OCTAL

\060\202\002\131\060\202\001\337\240\003\002\001\002\002\020\146
\362\075\257\207\336\213\261\112\352\014\127\061\001\302\354\060
\012\006\010\052\206\110\316\075\004\003\003\060\145\061\013\060
\011\006\003\125\004\006\023\002\125\123\061\036\060\034\006\003
\125\004\012\023\025\115\151\143\162\157\163\157\146\164\040\103
\157\162\160\157\162\141\164\151\157\156\061\066\060\064\006\003
\125\004\003\023\055\115\151\143\162\157\163\157\146\164\040\105
\103\103\040\122\157\157\164\040\103\145\162\164\151\146\151\143
\141\164\145\040\101\165\164\150\157\162\151\164\171\040\062\060
\061\067\060\036\027\015\061\071\061\062\061\070\062\063\060\066
\064\065\132\027\015\064\062\060\067\061\070\062\063\061\066\060
\064\132\060\145\061\013\060\011\006\003\125\004\006\023\002\125
\123\061\036\060\034\006\003\125\004\012\023\025\115\151\143\162
\157\163\157\146\164\040\103\157\162\160\157\162\141\164\151\157
\156\061\066\060\064\006\003\125\004\003\023\055\115\151\143\162
\157\163\157\146\164\040\105\103\103\040\122\157\157\164\040\103
\145\162\164\151\146\151\143\141\164\145\040\101\165\164\150\157
\162\151\164\171\040\062\060\061\067\060\166\060\020\006\007\052
\206\110\316\075\002\001\006\005\053\201\004\000\042\003\142\000
\004\324\274\075\002\102\165\101\023\043\315\200\004\206\002\121
\057\152\250\201\142\013\145\314\366\312\235\036\157\112\146\121
\242\003\331\235\221\372\266\026\261\214\156\336\174\315\333\171
\246\057\316\273\316\161\057\345\245\253\050\354\143\004\146\231
\370\372\362\223\020\005\341\201\050\102\343\306\150\364\346\033

```
\204\140\112\211\257\355\171\017\073\316\361\366\104\365\001\170
\300\243\124\060\122\060\016\006\003\125\035\017\001\001\377\004
\004\003\002\001\206\060\017\006\003\125\035\023\001\001\377\004
\005\060\003\001\001\377\060\035\006\003\125\035\016\004\026\004
\024\310\313\231\162\160\122\014\370\346\276\262\004\127\051\052
\317\102\020\355\065\060\020\006\011\053\006\001\004\001\202\067
\025\001\004\003\002\001\000\060\012\006\010\052\206\110\316\075
\004\003\003\003\150\000\060\145\002\060\130\362\115\352\014\371
\137\136\356\140\051\313\072\362\333\326\062\204\031\077\174\325
\057\302\261\314\223\256\120\273\011\062\306\306\355\176\311\066
\224\022\344\150\205\006\242\033\320\057\002\061\000\231\351\026
\264\016\372\126\110\324\244\060\026\221\170\333\124\214\145\001
\212\347\120\146\302\061\267\071\272\270\032\042\007\116\374\153
\124\026\040\377\053\265\347\114\014\115\246\117\163
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "Microsoft ECC Root Certificate Authority 2017"

Issuer: CN=Microsoft ECC Root Certificate Authority 2017,O=Microsoft Corporation,C=US

Serial Number:66:f2:3d:af:87:de:8b:b1:4a:ea:0c:57:31:01:c2:ec

Subject: CN=Microsoft ECC Root Certificate Authority 2017,O=Microsoft Corporation,C=US

Not Valid Before: Wed Dec 18 23:06:45 2019

Not Valid After : Fri Jul 18 23:16:04 2042

Fingerprint (SHA-256):

35:8D:F3:9D:76:4A:F9:E1:B7:66:E9:C9:72:DF:35:2E:E1:5C:FA:C2:27:AF:6A:D1:D7:0E:8E:4A:6E:DC:BA:02

#

Fingerprint (SHA1): 99:9A:64:C3:7F:F4:7D:9F:AB:95:F1:47:69:89:14:60:EE:C4:C3:C5

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "Microsoft ECC Root Certificate Authority 2017"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\231\232\144\303\177\364\175\237\253\225\361\107\151\211\024\140
\356\304\303\305
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\335\241\003\346\112\223\020\321\277\360\031\102\313\376\355\147
```

END

CKA_ISSUER MULTILINE_OCTAL

```
\060\145\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\036\060\034\006\003\125\004\012\023\025\115\151\143\162\157\163
\157\146\164\040\103\157\162\160\157\162\141\164\151\157\156\061
\066\060\064\006\003\125\004\003\023\055\115\151\143\162\157\163
\157\146\164\040\105\103\103\040\122\157\157\164\040\103\145\162
```

\164\151\146\151\143\141\164\145\040\101\165\164\150\157\162\151
\164\171\040\062\060\061\067

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

\002\020\146\362\075\257\207\336\213\261\112\352\014\127\061\001
\302\354

END

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#

Certificate "Microsoft RSA Root Certificate Authority 2017"

#

Issuer: CN=Microsoft RSA Root Certificate Authority 2017,O=Microsoft Corporation,C=US

Serial Number:1e:d3:97:09:5f:d8:b4:b3:47:70:1e:aa:be:7f:45:b3

Subject: CN=Microsoft RSA Root Certificate Authority 2017,O=Microsoft Corporation,C=US

Not Valid Before: Wed Dec 18 22:51:22 2019

Not Valid After : Fri Jul 18 23:00:23 2042

Fingerprint (SHA-256):

C7:41:F7:0F:4B:2A:8D:88:BF:2E:71:C1:41:22:EF:53:EF:10:EB:A0:CF:A5:E6:4C:FA:20:F4:18:85:30:73:E0

Fingerprint (SHA1): 73:A5:E6:4A:3B:FF:83:16:FF:0E:DC:CC:61:8A:90:6E:4E:AE:4D:74

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE

CKA_TOKEN CK_BBOOL

CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "Microsoft RSA Root Certificate Authority 2017"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL

\060\145\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\036\060\034\006\003\125\004\012\023\025\115\151\143\162\157\163
\157\146\164\040\103\157\162\160\157\162\141\164\151\157\156\061
\066\060\064\006\003\125\004\003\023\055\115\151\143\162\157\163
\157\146\164\040\122\123\101\040\122\157\157\164\040\103\145\162
\164\151\146\151\143\141\164\145\040\101\165\164\150\157\162\151
\164\171\040\062\060\061\067

END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

\060\145\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\036\060\034\006\003\125\004\012\023\025\115\151\143\162\157\163
\157\146\164\040\103\157\162\160\157\162\141\164\151\157\156\061
\066\060\064\006\003\125\004\003\023\055\115\151\143\162\157\163
\157\146\164\040\122\123\101\040\122\157\157\164\040\103\145\162
\164\151\146\151\143\141\164\145\040\101\165\164\150\157\162\151

\164\171\040\062\060\061\067
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\020\036\323\227\011\137\330\264\263\107\160\036\252\276\177
\105\263
END
CKA_VALUE MULTILINE_OCTAL
\060\202\005\250\060\202\003\220\240\003\002\001\002\002\020\036
\323\227\011\137\330\264\263\107\160\036\252\276\177\105\263\060
\015\006\011\052\206\110\206\367\015\001\001\014\005\000\060\145
\061\013\060\011\006\003\125\004\006\023\002\125\123\061\036\060
\034\006\003\125\004\012\023\025\115\151\143\162\157\163\157\146
\164\040\103\157\162\160\157\162\141\164\151\157\156\061\066\060
\064\006\003\125\004\003\023\055\115\151\143\162\157\163\157\146
\164\040\122\123\101\040\122\157\157\164\040\103\145\162\164\151
\146\151\143\141\164\145\040\101\165\164\150\157\162\151\164\171
\040\062\060\061\067\060\036\027\015\061\071\061\062\061\070\062
\062\065\061\062\062\132\027\015\064\062\060\067\061\070\062\063
\060\060\062\063\132\060\145\061\013\060\011\006\003\125\004\006
\023\002\125\123\061\036\060\034\006\003\125\004\012\023\025\115
\151\143\162\157\163\157\146\164\040\103\157\162\160\157\162\141
\164\151\157\156\061\066\060\064\006\003\125\004\003\023\055\115
\151\143\162\157\163\157\146\164\040\122\123\101\040\122\157\157
\164\040\103\145\162\164\151\146\151\143\141\164\145\040\101\165
\164\150\157\162\151\164\171\040\062\060\061\067\060\202\002\042
\060\015\006\011\052\206\110\206\367\015\001\001\001\005\000\003
\202\002\017\000\060\202\002\012\002\202\002\001\000\312\133\276
\224\063\214\051\225\221\026\012\225\275\107\142\301\211\363\231
\066\337\106\220\311\245\355\170\152\157\107\221\150\370\047\147
\120\063\035\241\246\373\340\345\103\243\204\002\127\001\135\234
\110\100\202\123\020\274\277\307\073\150\220\266\202\055\345\364
\145\320\314\155\031\314\225\371\173\254\112\224\255\016\336\113
\103\035\207\007\222\023\220\200\203\144\065\071\004\374\345\351
\154\263\266\037\120\224\070\145\120\134\027\106\271\266\205\265
\034\265\027\350\326\105\235\330\262\046\260\312\304\160\112\256
\140\244\335\263\331\354\374\073\325\127\162\274\077\310\311\262
\336\113\153\370\043\154\003\300\005\275\225\307\315\163\073\146
\200\144\343\032\254\056\371\107\005\362\006\266\233\163\365\170
\063\133\307\241\373\047\052\241\264\232\221\214\221\323\072\202
\076\166\100\264\315\122\141\121\160\050\077\305\305\132\362\311
\214\111\273\024\133\115\310\377\147\115\114\022\226\255\365\376
\170\250\227\207\327\375\136\040\200\334\241\113\042\373\324\211
\255\272\316\107\227\107\125\173\217\105\310\147\050\204\225\034
\150\060\357\357\111\340\065\173\144\347\230\260\224\332\115\205
\073\076\125\304\050\257\127\363\236\023\333\106\047\237\036\242
\136\104\203\244\245\312\325\023\263\113\077\304\343\302\346\206
\141\244\122\060\271\172\040\117\157\017\070\123\313\063\014\023

\053\217\326\232\275\052\310\055\261\034\175\113\121\312\107\321
\110\047\162\135\207\353\325\105\346\110\145\235\257\122\220\272
\133\242\030\145\127\022\237\150\271\324\025\153\224\304\151\042
\230\364\063\340\355\371\121\216\101\120\311\064\117\166\220\254
\374\070\301\330\341\173\271\343\343\224\341\106\151\313\016\012
\120\153\023\272\254\017\067\132\267\022\265\220\201\036\126\256
\127\042\206\331\311\322\321\327\121\343\253\073\306\125\375\036
\016\323\164\012\321\332\252\352\151\270\227\050\217\110\304\007
\370\122\103\072\364\312\125\065\054\260\246\152\300\234\371\362
\201\341\022\152\300\105\331\147\263\316\377\043\242\211\012\124
\324\024\271\052\250\327\354\371\253\315\045\130\062\171\217\220
\133\230\071\304\010\006\301\254\177\016\075\000\245\002\003\001
\000\001\243\124\060\122\060\016\006\003\125\035\017\001\001\377
\004\004\003\002\001\206\060\017\006\003\125\035\023\001\001\377
\004\005\060\003\001\001\377\060\035\006\003\125\035\016\004\026
\004\024\011\313\131\177\206\262\160\217\032\303\071\343\300\331
\351\277\273\115\262\043\060\020\006\011\053\006\001\004\001\202
\067\025\001\004\003\002\001\000\060\015\006\011\052\206\110\206
\367\015\001\001\014\005\000\003\202\002\001\000\254\257\076\135
\302\021\226\211\216\243\347\222\326\227\025\270\023\242\246\102
\056\002\315\026\005\131\047\312\040\350\272\270\350\032\354\115
\250\227\126\256\145\103\261\217\000\233\122\315\125\315\123\071
\155\142\114\213\015\133\174\056\104\277\203\020\217\363\123\202
\200\303\117\072\307\156\021\077\346\343\026\221\204\373\155\204
\177\064\164\255\211\247\316\271\327\327\237\204\144\222\276\225
\241\255\011\123\063\335\356\012\352\112\121\216\157\125\253\272
\265\224\106\256\214\177\330\242\120\045\145\140\200\106\333\063
\004\256\154\265\230\164\124\045\334\223\344\370\343\125\025\075
\270\155\303\012\244\022\301\151\205\156\337\144\361\123\231\341
\112\165\040\235\225\017\344\326\334\003\361\131\030\350\107\211
\262\127\132\224\266\251\330\027\053\027\111\345\166\313\301\126
\231\072\067\261\377\151\054\221\221\223\341\337\114\243\067\166
\115\241\237\370\155\036\035\323\372\354\373\364\105\035\023\155
\317\367\131\345\042\047\162\053\206\363\127\273\060\355\044\115
\334\175\126\273\243\263\370\064\171\211\301\340\362\002\141\367
\246\374\017\273\034\027\013\256\101\331\174\275\047\243\375\056
\072\321\223\224\261\163\035\044\213\257\133\040\211\255\267\147
\146\171\365\072\306\246\226\063\376\123\222\310\106\261\021\221
\306\231\177\217\311\326\146\061\040\101\020\207\055\014\326\301
\257\064\230\312\144\203\373\023\127\321\301\360\074\172\214\245
\301\375\225\041\240\161\301\223\147\161\022\352\217\210\012\151
\031\144\231\043\126\373\254\052\056\160\276\146\304\014\204\357
\345\213\363\223\001\370\152\220\223\147\113\262\150\243\265\142
\217\351\077\214\172\073\136\017\347\214\270\306\174\357\067\375
\164\342\310\117\063\162\341\224\071\155\275\022\257\276\014\116
\160\174\033\157\215\263\062\223\163\104\026\155\350\364\367\340
\225\200\217\226\135\070\244\364\253\336\012\060\207\223\330\115
\000\161\142\105\047\113\072\102\204\133\177\145\267\147\064\122

```
\055\234\026\153\252\250\330\173\243\102\114\161\307\014\312\076
\203\344\246\357\267\001\060\136\121\243\171\365\160\151\246\101
\104\017\206\260\054\221\306\075\352\256\017\204
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "Microsoft RSA Root Certificate Authority 2017"

Issuer: CN=Microsoft RSA Root Certificate Authority 2017,O=Microsoft Corporation,C=US

Serial Number: 1e:d3:97:09:5f:d8:b4:b3:47:70:1e:aa:be:7f:45:b3

Subject: CN=Microsoft RSA Root Certificate Authority 2017,O=Microsoft Corporation,C=US

Not Valid Before: Wed Dec 18 22:51:22 2019

Not Valid After : Fri Jul 18 23:00:23 2042

Fingerprint (SHA-256):

C7:41:F7:0F:4B:2A:8D:88:BF:2E:71:C1:41:22:EF:53:EF:10:EB:A0:CF:A5:E6:4C:FA:20:F4:18:85:30:73:E0

Fingerprint (SHA1): 73:A5:E6:4A:3B:FF:83:16:FF:0E:DC:CC:61:8A:90:6E:4E:AE:4D:74

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL

CK_FALSE

CKA_LABEL UTF8 "Microsoft RSA Root Certificate Authority 2017"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\163\245\346\112\073\377\203\026\377\016\334\314\141\212\220\156
\116\256\115\164
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\020\377\000\377\317\311\370\307\172\300\356\065\216\311\017\107
```

END

CKA_ISSUER MULTILINE_OCTAL

```
\060\145\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\036\060\034\006\003\125\004\012\023\025\115\151\143\162\157\163
\157\146\164\040\103\157\162\160\157\162\141\164\151\157\156\061
\066\060\064\006\003\125\004\003\023\055\115\151\143\162\157\163
\157\146\164\040\122\123\101\040\122\157\157\164\040\103\145\162
\164\151\146\151\143\141\164\145\040\101\165\164\150\157\162\151
\164\171\040\062\060\061\067
```

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

```
\002\020\036\323\227\011\137\330\264\263\107\160\036\252\276\177
\105\263
```

END

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

CKA_TRUST_CODE_SIGNING


```

CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "e-Szigno Root CA 2017"
#
# Issuer: CN=e-Szigno Root CA 2017,OID.2.5.4.97=VATHU-23584497,O=Microsec Ltd.,L=Budapest,C=HU
# Serial Number:01:54:48:ef:21:fd:97:59:0d:f5:04:0a
# Subject: CN=e-Szigno Root CA 2017,OID.2.5.4.97=VATHU-23584497,O=Microsec Ltd.,L=Budapest,C=HU
# Not Valid Before: Tue Aug 22 12:07:06 2017
# Not Valid After : Fri Aug 22 12:07:06 2042
# Fingerprint (SHA-256):
BE:B0:0B:30:83:9B:9B:C3:2C:32:E4:44:79:05:95:06:41:F2:64:21:B1:5E:D0:89:19:8B:51:8A:E2:EA:1B:99
# Fingerprint (SHA1): 89:D4:83:03:4F:9E:9A:48:80:5F:72:37:D4:A9:A6:EF:CB:7C:1F:D1
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "e-Szigno Root CA 2017"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\161\061\013\060\011\006\003\125\004\006\023\002\110\125\061
\021\060\017\006\003\125\004\007\014\010\102\165\144\141\160\145
\163\164\061\026\060\024\006\003\125\004\012\014\015\115\151\143
\162\157\163\145\143\040\114\164\144\056\061\027\060\025\006\003
\125\004\141\014\016\126\101\124\110\125\055\062\063\065\070\064
\064\071\067\061\036\060\034\006\003\125\004\003\014\025\145\055
\123\172\151\147\156\157\040\122\157\157\164\040\103\101\040\062
\060\061\067
END
CKA_ID
UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\161\061\013\060\011\006\003\125\004\006\023\002\110\125\061
\021\060\017\006\003\125\004\007\014\010\102\165\144\141\160\145
\163\164\061\026\060\024\006\003\125\004\012\014\015\115\151\143
\162\157\163\145\143\040\114\164\144\056\061\027\060\025\006\003
\125\004\141\014\016\126\101\124\110\125\055\062\063\065\070\064
\064\071\067\061\036\060\034\006\003\125\004\003\014\025\145\055
\123\172\151\147\156\157\040\122\157\157\164\040\103\101\040\062
\060\061\067
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\014\001\124\110\357\041\375\227\131\015\365\004\012
END
CKA_VALUE
MULTILINE_OCTAL
\060\202\002\100\060\202\001\345\240\003\002\001\002\002\014\001

```

\124\110\357\041\375\227\131\015\365\004\012\060\012\006\010\052
\206\110\316\075\004\003\002\060\161\061\013\060\011\006\003\125
\004\006\023\002\110\125\061\021\060\017\006\003\125\004\007\014
\010\102\165\144\141\160\145\163\164\061\026\060\024\006\003\125
\004\012\014\015\115\151\143\162\157\163\145\143\040\114\164\144
\056\061\027\060\025\006\003\125\004\141\014\016\126\101\124\110
\125\055\062\063\065\070\064\064\071\067\061\036\060\034\006\003
\125\004\003\014\025\145\055\123\172\151\147\156\157\040\122\157
\157\164\040\103\101\040\062\060\061\067\060\036\027\015\061\067
\060\070\062\062\061\062\060\067\060\066\132\027\015\064\062\060
\070\062\062\061\062\060\067\060\066\132\060\161\061\013\060\011
\006\003\125\004\006\023\002\110\125\061\021\060\017\006\003\125
\004\007\014\010\102\165\144\141\160\145\163\164\061\026\060\024
\006\003\125\004\012\014\015\115\151\143\162\157\163\145\143\040
\114\164\144\056\061\027\060\025\006\003\125\004\141\014\016\126
\101\124\110\125\055\062\063\065\070\064\064\071\067\061\036\060
\034\006\003\125\004\003\014\025\145\055\123\172\151\147\156\157
\040\122\157\157\164\040\103\101\040\062\060\061\067\060\131\060
\023\006\007\052\206\110\316\075\002\001\006\010\052\206\110\316
\075\003\001\007\003\102\000\004\226\334\075\212\330\260\173\157
\306\047\276\104\220\261\263\126\025\173\216\103\044\175\032\204
\131\356\143\150\262\306\136\207\320\025\110\036\250\220\255\275
\123\242\332\336\072\220\246\140\137\150\062\265\206\101\337\207
\133\054\173\305\376\174\172\332\243\143\060\141\060\017\006\003
\125\035\023\001\001\377\004\005\060\003\001\001\377\060\016\006
\003\125\035\017\001\001\377\004\004\003\002\001\006\060\035\006
\003\125\035\016\004\026\004\024\207\021\025\010\321\252\301\170
\014\261\257\316\306\311\220\357\277\060\004\300\060\037\006\003
\125\035\043\004\030\060\026\200\024\207\021\025\010\321\252\301
\170\014\261\257\316\306\311\220\357\277\060\004\300\060\012\006
\010\052\206\110\316\075\004\003\002\003\111\000\060\106\002\041
\000\265\127\335\327\212\125\013\066\341\206\104\372\324\331\150
\215\270\334\043\212\212\015\324\057\175\352\163\354\277\115\154
\250\002\041\000\313\245\264\022\372\347\265\350\317\176\223\374
\363\065\217\157\116\132\174\264\274\116\262\374\162\252\133\131
\371\347\334\061

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "e-Szigno Root CA 2017"

Issuer: CN=e-Szigno Root CA 2017,OID.2.5.4.97=VATHU-23584497,O=Microsec Ltd.,L=Budapest,C=HU

Serial Number:01:54:48:ef:21:fd:97:59:0d:f5:04:0a

Subject: CN=e-Szigno Root CA 2017,OID.2.5.4.97=VATHU-23584497,O=Microsec Ltd.,L=Budapest,C=HU

Not Valid Before: Tue Aug 22 12:07:06 2017

Not Valid After : Fri Aug 22 12:07:06 2042

```

# Fingerprint (SHA-256):
BE:B0:0B:30:83:9B:9B:C3:2C:32:E4:44:79:05:95:06:41:F2:64:21:B1:5E:D0:89:19:8B:51:8A:E2:EA:1B:99
#
Fingerprint (SHA1): 89:D4:83:03:4F:9E:9A:48:80:5F:72:37:D4:A9:A6:EF:CB:7C:1F:D1
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "e-Szigno Root CA 2017"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\211\324\203\003\117\236\232\110\200\137\162\067\324\251\246\357
\313\174\037\321
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\336\037\366\236\204\256\247\264\041\316\036\130\175\321\204\230
END
CKA_ISSUER MULTILINE_OCTAL
\060\161\061\013\060\011\006\003\125\004\006\023\002\110\125\061
\021\060\017\006\003\125\004\007\014\010\102\165\144\141\160\145
\163\164\061\026\060\024\006\003\125\004\012\014\015\115\151\143
\162\157\163\145\143\040\114\164\144\056\061\027\060\025\006\003
\125\004\141\014\016\126\101\124\110\125\055\062\063\065\070\064
\064\071\067\061\036\060\034\006\003\125\004\003\014\025\145\055
\123\172\151\147\156\157\040\122\157\157\164\040\103\101\040\062
\060\061\067
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\014\001\124\110\357\041\375\227\131\015\365\004\012
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "certSIGN Root CA G2"
#
# Issuer: OU=certSIGN ROOT CA G2,O=CERTSIGN SA,C=RO
# Serial Number:11:00:34:b6:4e:c6:36:2d:36
# Subject: OU=certSIGN ROOT CA G2,O=CERTSIGN SA,C=RO
# Not Valid Before: Mon Feb 06 09:27:35 2017
# Not Valid After : Thu Feb 06 09:27:35 2042
# Fingerprint (SHA-256):
65:7C:FE:2F:A7:3F:AA:38:46:25:71:F3:32:A2:36:3A:46:FC:E7:02:09:51:71:07:02:CD:FB:B6:EE:DA:33:05
# Fingerprint (SHA1): 26:F9:93:B4:ED:3D:28:27:B0:B9:4B:A7:E9:15:1D:A3:8D:92:E5:32
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE

```

```
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "certSIGN Root CA G2"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT
MULTILINE_OCTAL
\060\101\061\013\060\011\006\003\125\004\006\023\002\122\117\061
\024\060\022\006\003\125\004\012\023\013\103\105\122\124\123\111
\107\116\040\123\101\061\034\060\032\006\003\125\004\013\023\023
\143\145\162\164\123\111\107\116\040\122\117\117\124\040\103\101
\040\107\062
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\101\061\013\060\011\006\003\125\004\006\023\002\122\117\061
\024\060\022\006\003\125\004\012\023\013\103\105\122\124\123\111
\107\116\040\123\101\061\034\060\032\006\003\125\004\013\023\023
\143\145\162\164\123\111\107\116\040\122\117\117\124\040\103\101
\040\107\062
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\011\021\000\064\266\116\306\066\055\066
END
CKA_VALUE MULTILINE_OCTAL
\060\202\005\107\060\202\003\057\240\003\002\001\002\002\011\021
\000\064\266\116\306\066\055\066\060\015\006\011\052\206\110\206
\367\015\001\001\013\005\000\060\101\061\013\060\011\006\003\125
\004\006\023\002\122\117\061\024\060\022\006\003\125\004\012\023
\013\103\105\122\124\123\111\107\116\040\123\101\061\034\060\032
\006\003\125\004\013\023\023\143\145\162\164\123\111\107\116\040
\122\117\117\124\040\103\101\040\107\062\060\036\027\015\061\067
\060\062\060\066\060\071\062\067\063\065\132\027\015\064\062\060
\062\060\066\060\071\062\067\063\065\132\060\101\061\013\060\011
\006\003\125\004\006\023\002\122\117\061\024\060\022\006\003\125
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\034\060\032\006\003\125\004\013\023\023\143\145\162\164\123\111
\107\116\040\122\117\117\124\040\103\101\040\107\062\060\202\002
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\202\216\206\327\136\217\127\353\323\041\131\375\071\067\102\060
\276\120\352\266\017\251\210\330\056\055\151\041\347\321\067\030
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\315\307\372\357\304\354\113\275\152\244\254\375\314\050\121\357
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\130\070\264\025\323\266\021\151\173\036\124\356\214\032\042\254
\162\227\077\043\131\233\311\042\204\301\007\117\314\177\342\127
\312\022\160\273\246\145\363\151\165\143\275\225\373\033\227\315
\344\250\257\366\321\116\250\331\212\161\044\315\066\075\274\226
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\203\340\126\251\120\037\037\172\231\253\143\277\204\027\167\361
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\001\377\004\004\003\002\001\006\060\035\006\003\125\035\016\004
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\103\024\003\146\170\341\021\261\332\040\137\106\000\170\000\041
\245\036\000\050\141\170\157\250\001\001\217\235\064\232\377\364
\070\220\373\270\321\263\162\006\311\161\346\201\305\171\355\013
\246\171\362\023\013\234\367\135\016\173\044\223\264\110\333\206
\137\336\120\206\170\347\100\346\061\250\220\166\160\141\257\234
\067\054\021\265\202\267\252\256\044\064\133\162\014\151\015\315
\131\237\366\161\257\234\013\321\012\070\371\006\042\203\123\045
\014\374\121\304\346\276\342\071\225\013\044\255\257\321\225\344
\226\327\164\144\153\161\116\002\074\252\205\363\040\243\103\071
\166\133\154\120\376\232\234\024\036\145\024\212\025\275\243\202
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\002\074\246\252\330\274\147\164\075\024\027\373\124\113\027\343
\323\171\075\155\153\111\311\050\016\056\164\120\277\014\331\106
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\053\252\111\372\215\145\051\116\343\153\023\247\224\243\055\121
\155\170\014\104\313\337\336\010\157\316\243\144\253\323\225\204
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END

CKA_NSS_Mozilla_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "certSIGN Root CA G2"

Issuer: OU=certSIGN ROOT CA G2,O=CERTSIGN SA,C=RO

Serial Number:11:00:34:b6:4e:c6:36:2d:36

Subject: OU=certSIGN ROOT CA G2,O=CERTSIGN SA,C=RO

Not Valid Before: Mon Feb 06 09:27:35 2017

Not Valid After : Thu Feb 06 09:27:35 2042

Fingerprint (SHA-256):

65:7C:FE:2F:A7:3F:AA:38:46:25:71:F3:32:A2:36:3A:46:FC:E7:02:09:51:71:07:02:CD:FB:B6:EE:DA:33:05

Fingerprint (SHA1): 26:F9:93:B4:ED:3D:28:27:B0:B9:4B:A7:E9:15:1D:A3:8D:92:E5:32

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL

UTF8 "certSIGN Root CA G2"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

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\046\371\223\264\355\075\050\047\260\271\113\247\351\025\035\243
\215\222\345\062
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END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

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\214\361\165\212\306\031\317\224\267\367\145\040\207\303\227\307
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END

CKA_ISSUER MULTILINE_OCTAL

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\060\101\061\013\060\011\006\003\125\004\006\023\002\122\117\061
\024\060\022\006\003\125\004\012\023\013\103\105\122\124\123\111
\107\116\040\123\101\061\034\060\032\006\003\125\004\013\023\023
\143\145\162\164\123\111\107\116\040\122\117\117\124\040\103\101
\040\107\062
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END

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CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\011\021\000\064\266\116\306\066\055\066
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "Trustwave Global Certification Authority"
#
# Issuer: CN=Trustwave Global Certification Authority,O="Trustwave Holdings,
Inc.",L=Chicago,ST=Illinois,C=US
#
Serial Number:05:f7:0e:86:da:49:f3:46:35:2e:ba:b2
# Subject: CN=Trustwave Global Certification Authority,O="Trustwave Holdings,
Inc.",L=Chicago,ST=Illinois,C=US
# Not Valid Before: Wed Aug 23 19:34:12 2017
# Not Valid After : Sat Aug 23 19:34:12 2042
# Fingerprint (SHA-256):
97:55:20:15:F5:DD:FC:3C:87:88:C0:06:94:45:55:40:88:94:45:00:84:F1:00:86:70:86:BC:1A:2B:B5:8D:C8
# Fingerprint (SHA1): 2F:8F:36:4F:E1:58:97:44:21:59:87:A5:2A:9A:D0:69:95:26:7F:B5
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Trustwave Global Certification Authority"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\210\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\021\060\017\006\003\125\004\010\014\010\111\154\154\151\156
\157\151\163\061\020\060\016\006\003\125\004\007\014\007\103\150
\151\143\141\147\157\061\041\060\037\006\003\125\004\012\014\030
\124\162\165\163\164\167\141\166\145\040\110\157\154\144\151\156
\147\163\054\040\111\156\143\056\061\061\060\057\006\003\125\004
\003\014\050\124\162\165\163\164\167\141\166\145\040\107\154\157
\142\141\154\040\103\145\162\164\151\146\151\143\141\164\151\157
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END
CKA_ID
UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\201\210\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\021\060\017\006\003\125\004\010\014\010\111\154\154\151\156
\157\151\163\061\020\060\016\006\003\125\004\007\014\007\103\150
\151\143\141\147\157\061\041\060\037\006\003\125\004\012\014\030
\124\162\165\163\164\167\141\166\145\040\110\157\154\144\151\156
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\142\141\154\040\103\145\162\164\151\146\151\143\141\164\151\157
\156\040\101\165\164\150\157\162\151\164\171
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
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END
CKA_VALUE
MULTILINE_OCTAL
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\367\016\206\332\111\363\106\065\056\272\262\060\015\006\011\052
\206\110\206\367\015\001\001\013\005\000\060\201\210\061\013\060
\011\006\003\125\004\006\023\002\125\123\061\021\060\017\006\003
\125\004\010\014\010\111\154\154\151\156\157\151\163\061\020\060
\016\006\003\125\004\007\014\007\103\150\151\143\141\147\157\061
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\141\166\145\040\110\157\154\144\151\156\147\163\054\040\111\156
\143\056\061\061\060\057\006\003\125\004\003\014\050\124\162\165
\163\164\167\141\166\145\040\107\154\157\142\141\154\040\103\145
\162\164\151\146\151\143\141\164\151\157\156\040\101\165\164\150
\157\162\151\164\171\060\036\027\015\061\067\060\070\062\063\061
\071\063\064\061\062\132\027\015\064\062\060\070\062\063\061\071
\063\064\061\062\132\060\201\210\061\013\060\011\006\003\125\004
\006\023\002\125\123\061\021\060\017\006\003\125\004\010\014\010
\111\154\154\151\156\157\151\163\061\020\060\016\006\003\125\004
\007\014\007\103\150\151\143\141\147\157\061\041\060\037\006\003
\125\004\012\014\030\124\162\165\163\164\167\141\166\145\040\110
\157\154\144\151\156\147\163\054\040\111\156\143\056\061\061\060
\057\006\003\125\004\003\014\050\124\162\165\163\164\167\141\166
\145\040\107\154\157\142\141\154\040\103\145\162\164\151\146\151
\143\141\164\151\157\156\040\101\165\164\150\157\162\151\164\171
\060\202\002\042\060\015\006\011\052\206\110\206\367\015\001\001
\001\005\000\003\202\002\017\000\060\202\002\012\002\202\002\001
\000\271\135\121\050\113\074\067\222\321\202\316\275\035\275\315
\335\270\253\317\012\076\341\135\345\334\252\011\271\127\002\076
\346\143\141\337\362\017\202\143\256\243\367\254\163\321\174\347
\263\013\257\010\000\011\131\177\315\051\052\210\223\207\027\030
\200\355\210\262\264\266\020\037\055\326\137\125\242\023\135\321
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\356\206\211\272\210\003\235\162\041\206\220\256\217\003\245\334
\237\210\050\313\243\222\111\017\354\320\017\342\155\104\117\200
\152\262\324\347\240\012\123\001\272\216\227\221\166\156\274\374
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\171\331\364\142\302\103\271\263\047\260\042\313\371\075\122\307
\060\107\263\311\076\270\152\342\347\350\201\160\136\102\213\117
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\256\335\035\362\340\156\116\005\130\261\300\220\026\052\244\075
\020\100\276\217\142\143\203\251\234\202\175\055\002\351\203\060
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```

END

CKA_NSS_Mozilla_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "Trustwave Global Certification Authority"

Issuer: CN=Trustwave Global Certification Authority,O="Trustwave Holdings,
Inc.",L=Chicago,ST=Illinois,C=US

Serial Number:05:f7:0e:86:da:49:f3:46:35:2e:ba:b2

Subject: CN=Trustwave Global Certification Authority,O="Trustwave Holdings,
Inc.",L=Chicago,ST=Illinois,C=US

Not Valid Before: Wed Aug 23 19:34:12 2017

Not Valid After : Sat Aug 23 19:34:12 2042

Fingerprint (SHA-256):

97:55:20:15:F5:DD:FC:3C:87:88:C0:06:94:45:55:40:88:94:45:00:84:F1:00:86:70:86:BC:1A:2B:B5:8D:C8

Fingerprint (SHA1): 2F:8F:36:4F:E1:58:97:44:21:59:87:A5:2A:9A:D0:69:95:26:7F:B5

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE

CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "Trustwave Global Certification Authority"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\057\217\066\117\341\130\227\104\041\131\207\245\052\232\320\151
\225\046\177\265
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\370\034\030\055\057\272\137\155\241\154\274\307\253\221\307\016
```

END

CKA_ISSUER MULTILINE_OCTAL

```
\060\201\210\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\021\060\017\006\003\125\004\010\014\010\111\154\154\151\156
\157\151\163\061\020\060\016\006\003\125\004\007\014\007\103\150
\151\143\141\147\157\061\041\060\037\006\003\125\004\012\014\030
\124\162\165\163\164\167\141\166\145\040\110\157\154\144\151\156
\147\163\054\040\111\156\143\056\061\061\060\057\006\003\125\004
\003\014\050\124\162\165\163\164\167\141\166\145\040\107\154\157
\142\141\154\040\103\145\162\164\151\146\151\143\141\164\151\157
\156\040\101\165\164\150\157\162\151\164\171
```

END

```

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\014\005\367\016\206\332\111\363\106\065\056\272\262
END
CKA_TRUST_SERVER_AUTH
CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "Trustwave Global ECC P256 Certification Authority"
#
# Issuer: CN=Trustwave Global ECC P256 Certification Authority,O="Trustwave Holdings,
Inc.",L=Chicago,ST=Illinois,C=US
# Serial Number:0d:6a:5f:08:3f:28:5c:3e:51:95:df:5d
# Subject: CN=Trustwave Global ECC P256 Certification Authority,O="Trustwave Holdings,
Inc.",L=Chicago,ST=Illinois,C=US
# Not Valid Before: Wed Aug 23 19:35:10 2017
# Not Valid After : Sat Aug 23 19:35:10 2042
# Fingerprint (SHA-256):
94:5B:BC:82:5E:A5:54:F4:89:D1:FD:51:A7:3D:DF:2E:A6:24:AC:70:19:A0:52:05:22:5C:22:A7:8C:CF:A8:B4
# Fingerprint (SHA1): B4:90:82:DD:45:0C:BE:8B:5B:B1:66:D3:E2:A4:08:26:CD:ED:42:CF
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE
CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Trustwave Global ECC P256 Certification Authority"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\221\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\021\060\017\006\003\125\004\010\023\010\111\154\154\151\156
\157\151\163\061\020\060\016\006\003\125\004\007\023\007\103\150
\151\143\141\147\157\061\041\060\037\006\003\125\004\012\023\030
\124\162\165\163\164\167\141\166\145\040\110\157\154\144\151\156
\147\163\054\040\111\156\143\056\061\072\060\070\006\003\125\004
\003\023\061\124\162\165\163\164\167\141\166\145\040\107\154\157
\142\141\154\040\105\103\103\040\120\062\065\066\040\103\145\162
\164\151\146\151\143\141\164\151\157\156\040\101\165\164\150\157
\162\151\164\171
END
CKA_ID UTF8 ""
CKA_ISSUER MULTILINE_OCTAL
\060\201\221\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\021\060\017\006\003\125\004\010\023\010\111\154\154\151\156
\157\151\163\061\020\060\016\006\003\125\004\007\023\007\103\150
\151\143\141\147\157\061\041\060\037\006\003\125\004\012\023\030
\124\162\165\163\164\167\141\166\145\040\110\157\154\144\151\156

```

\147\163\054\040\111\156\143\056\061\072\060\070\006\003\125\004
\003\023\061\124\162\165\163\164\167\141\166\145\040\107\154\157
\142\141\154\040\105\103\103\040\120\062\065\066\040\103\145\162
\164\151\146\151\143\141\164\151\157\156\040\101\165\164\150\157
\162\151\164\171

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

\002\014\015\152\137\010\077\050\134\076\121\225\337\135

END

CKA_VALUE MULTILINE_OCTAL

\060\202\002\140\060\202\002\007\240\003\002\001\002\002\014\015
\152\137\010\077\050\134\076\121\225\337\135\060\012\006\010\052
\206\110\316\075\004\003\002\060\201\221\061\013\060\011\006\003
\125\004\006\023\002\125\123\061\021\060\017\006\003\125\004\010
\023\010\111\154\154\151\156\157\151\163\061\020\060\016\006\003
\125\004\007\023\007\103\150\151\143\141\147\157\061\041\060\037
\006\003\125\004\012\023\030\124\162\165\163\164\167\141\166\145
\040\110\157\154\144\151\156\147\163\054\040\111\156\143\056\061
\072\060\070\006\003\125\004\003\023\061\124\162\165\163\164\167
\141\166\145\040\107\154\157\142\141\154\040\105\103\103\040\120
\062\065\066\040\103\145\162\164\151\146\151\143\141\164\151\157
\156\040\101\165\164\150\157\162\151\164\171\060\036\027\015\061
\067\060\070\062\063\061\071\063\065\061\060\132\027\015\064\062
\060\070\062\063\061\071\063\065\061\060\132\060\201\221\061\013
\060\011\006\003\125\004\006\023\002\125\123\061\021\060\017\006
\003\125\004\010\023\010\111\154\154\151\156\157\151\163\061\020
\060\016\006\003\125\004\007\023\007\103\150\151\143\141\147\157
\061\041\060\037\006\003\125\004\012\023\030\124\162\165\163\164
\167\141\166\145\040\110\157\154\144\151\156\147\163\054\040\111
\156\143\056\061\072\060\070\006\003\125\004\003\023\061\124\162
\165\163\164\167\141\166\145\040\107\154\157\142\141\154\040\105
\103\103\040\120\062\065\066\040\103\145\162\164\151\146\151\143
\141\164\151\157\156\040\101\165\164\150\157\162\151\164\171\060
\131\060\023\006\007\052\206\110\316\075\002\001\006\010\052\206
\110\316\075\003\001\007\003\102\000\004\176\373\154\346\043\343
\163\062\010\312\140\346\123\234\272\164\215\030\260\170\220\122
\200\335\070\300\112\035\321\250\314\223\244\227\006\070\312\015
\025\142\306\216\001\052\145\235\252\337\064\221\056\201\301\344
\063\222\061\304\375\011\072\246\077\255\243\103\060\101\060\017
\006\003\125\035\023\001\001\377\004\005\060\003\001\001\377\060
\017\006\003\125\035\017\001\001\377\004\005\003\003\007\006\000
\060\035\006\003\125\035\016\004\026\004\024\243\101\006\254\220
\155\321\112\353\165\245\112\020\231\263\261\241\213\112\367\060
\012\006\010\052\206\110\316\075\004\003\002\003\107\000\060\104
\002\040\007\346\124\332\016\240\132\262\256\021\237\207\305\266
\377\151\336\045\276\370\240\267\010\363\104\316\052\337\010\041
\014\067\002\040\055\046\003\240\005\275\153\321\366\134\370\145

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\314\206\155\263\234\064\110\143\204\011\305\215\167\032\342\314
\234\341\164\173
END
CKA_NSS_MOZILLA_CA_POLICY
CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

# Trust for "Trustwave Global ECC P256 Certification Authority"
# Issuer: CN=Trustwave Global ECC P256 Certification Authority,O="Trustwave Holdings,
Inc.",L=Chicago,ST=Illinois,C=US
# Serial Number:0d:6a:5f:08:3f:28:5c:3e:51:95:df:5d
# Subject: CN=Trustwave Global ECC P256 Certification Authority,O="Trustwave Holdings,
Inc.",L=Chicago,ST=Illinois,C=US
# Not Valid Before: Wed Aug 23 19:35:10 2017
# Not Valid After : Sat Aug 23 19:35:10 2042
# Fingerprint (SHA-256):
94:5B:BC:82:5E:A5:54:F4:89:D1:FD:51:A7:3D:DF:2E:A6:24:AC:70:19:A0:52:05:22:5C:22:A7:8C:CF:A8:B4
# Fingerprint (SHA1): B4:90:82:DD:45:0C:BE:8B:5B:B1:66:D3:E2:A4:08:26:CD:ED:42:CF
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Trustwave Global
ECC P256 Certification Authority"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\264\220\202\335\105\014\276\213\133\261\146\323\342\244\010\046
\315\355\102\317
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\133\104\343\215\135\066\206\046\350\015\005\322\131\247\203\124
END
CKA_ISSUER MULTILINE_OCTAL
\060\201\221\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\021\060\017\006\003\125\004\010\023\010\111\154\154\151\156
\157\151\163\061\020\060\016\006\003\125\004\007\023\007\103\150
\151\143\141\147\157\061\041\060\037\006\003\125\004\012\023\030
\124\162\165\163\164\167\141\166\145\040\110\157\154\144\151\156
\147\163\054\040\111\156\143\056\061\072\060\070\006\003\125\004
\003\023\061\124\162\165\163\164\167\141\166\145\040\107\154\157
\142\141\154\040\105\103\103\040\120\062\065\066\040\103\145\162
\164\151\146\151\143\141\164\151\157\156\040\101\165\164\150\157
\162\151\164\171
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\014\015\152\137\010\077\050\134\076\121\225\337\135
END
CKA_TRUST_SERVER_AUTH
```

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CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "Trustwave Global ECC P384 Certification Authority"
#
# Issuer: CN=Trustwave Global ECC P384 Certification Authority,O="Trustwave Holdings,
Inc.",L=Chicago,ST=Illinois,C=US
# Serial Number:08:bd:85:97:6c:99:27:a4:80:68:47:3b
# Subject: CN=Trustwave Global ECC P384 Certification Authority,O="Trustwave Holdings,
Inc.",L=Chicago,ST=Illinois,C=US
# Not Valid Before: Wed Aug 23 19:36:43 2017
# Not Valid After : Sat Aug 23 19:36:43 2042
# Fingerprint (SHA-256):
55:90:38:59:C8:C0:C3:EB:B8:75:9E:CE:4E:25:57:22:5F:F5:75:8B:BD:38:EB:D4:82:76:60:1E:1B:D5:80:97
# Fingerprint (SHA1): E7:F3:A3:C8:CF:6F:C3:04:2E:6D:0E:67:32:C5:9E:68:95:0D:5E:D2
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL
UTF8 "Trustwave Global ECC P384 Certification Authority"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\221\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\021\060\017\006\003\125\004\010\023\010\111\154\154\151\156
\157\151\163\061\020\060\016\006\003\125\004\007\023\007\103\150
\151\143\141\147\157\061\041\060\037\006\003\125\004\012\023\030
\124\162\165\163\164\167\141\166\145\040\110\157\154\144\151\156
\147\163\054\040\111\156\143\056\061\072\060\070\006\003\125\004
\003\023\061\124\162\165\163\164\167\141\166\145\040\107\154\157
\142\141\154\040\105\103\103\040\120\063\070\064\040\103\145\162
\164\151\146\151\143\141\164\151\157\156\040\101\165\164\150\157
\162\151\164\171
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\201\221\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\021\060\017\006\003\125\004\010\023\010\111\154\154\151\156
\157\151\163\061\020\060\016\006\003\125\004\007\023\007\103\150
\151\143\141\147\157\061\041\060\037\006\003\125\004\012\023\030
\124\162\165\163\164\167\141\166\145\040\110\157\154\144\151\156
\147\163\054\040\111\156\143\056\061\072\060\070\006\003\125\004
\003\023\061\124\162\165\163\164\167\141\166\145\040\107\154\157
\142\141\154\040\105\103\103\040\120\063\070\064\040\103\145\162
\164\151\146\151\143\141\164\151\157\156\040\101\165\164\150\157

```

\162\151\164\171

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

\002\014\010\275\205\227\154\231\047\244\200\150\107\073

END

CKA_VALUE MULTILINE_OCTAL

\060\202\002\235\060\202\002\044\240\003\002\001\002\002\014\010
\275\205\227\154\231\047\244\200\150\107\073\060\012\006\010\052
\206\110\316\075\004\003\003\060\201\221\061\013\060\011\006\003
\125\004\006\023\002\125\123\061\021\060\017\006\003\125\004\010
\023\010\111\154\154\151\156\157\151\163\061\020\060\016\006\003
\125\004\007\023\007\103\150\151\143\141\147\157\061\041\060\037
\006\003\125\004\012\023\030\124\162\165\163\164\167\141\166\145
\040\110\157\154\144\151\156\147\163\054\040\111\156\143\056\061
\072\060\070\006\003\125\004\003\023\061\124\162\165\163\164\167
\141\166\145\040\107\154\157\142\141\154\040\105\103\103\040\120
\063\070\064\040\103\145\162\164\151\146\151\143\141\164\151\157
\156\040\101\165\164\150\157\162\151\164\171\060\036\027\015\061
\067\060\070\062\063\061\071\063\066\064\063\132\027\015\064\062
\060\070\062\063\061\071\063\066\064\063\132\060\201\221\061\013
\060\011\006\003\125\004\006\023\002\125\123\061\021\060\017\006
\003\125\004\010\023\010\111\154\154\151\156\157\151\163\061\020
\060\016\006\003\125\004\007\023\007\103\150\151\143\141\147\157
\061\041\060\037\006\003\125\004\012\023\030\124\162\165\163\164
\167\141\166\145\040\110\157\154\144\151\156\147\163\054\040\111
\156\143\056\061\072\060\070\006\003\125\004\003\023\061\124\162
\165\163\164\167\141\166\145\040\107\154\157\142\141\154\040\105
\103\103\040\120\063\070\064\040\103\145\162\164\151\146\151\143
\141\164\151\157\156\040\101\165\164\150\157\162\151\164\171\060
\166\060\020\006\007\052\206\110\316\075\002\001\006\005\053\201
\004\000\042\003\142\000\004\153\332\015\165\065\010\061\107\005
\256\105\231\125\361\021\023\056\112\370\020\061\043\243\176\203
\323\177\050\010\072\046\032\072\317\227\202\037\200\267\047\011
\217\321\216\060\304\012\233\016\254\130\004\253\367\066\175\224
\043\244\233\012\212\213\253\353\375\071\045\146\361\136\376\214
\256\215\101\171\235\011\140\316\050\251\323\212\155\363\326\105
\324\362\230\204\070\145\240\243\103\060\101\060\017\006\003\125
\035\023\001\001\377\004\005\060\003\001\001\377\060\017\006\003
\125\035\017\001\001\377\004\005\003\003\007\006\000\060\035\006
\003\125\035\016\004\026\004\024\125\251\204\211\322\301\062\275
\030\313\154\246\007\116\310\347\235\276\202\220\060\012\006\010
\052\206\110\316\075\004\003\003\003\147\000\060\144\002\060\067
\001\222\227\105\022\176\240\363\076\255\031\072\162\335\364\120
\223\003\022\276\104\322\117\101\244\214\234\235\037\243\366\302
\222\347\110\024\376\116\233\245\221\127\256\306\067\162\273\002
\060\147\045\012\261\014\136\356\251\143\222\157\345\220\013\376
\146\042\312\107\375\212\061\367\203\376\172\277\020\276\030\053

```

\036\217\366\051\036\224\131\357\216\041\067\313\121\230\245\156
\113
END
CKA_NSS_MOZILLA_CA_POLICY
CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for "Trustwave Global ECC P384 Certification Authority"
# Issuer: CN=Trustwave Global ECC P384 Certification Authority,O="Trustwave Holdings,
Inc.",L=Chicago,ST=Illinois,C=US
# Serial Number:08:bd:85:97:6c:99:27:a4:80:68:47:3b
# Subject: CN=Trustwave Global ECC P384 Certification Authority,O="Trustwave Holdings,
Inc.",L=Chicago,ST=Illinois,C=US
# Not Valid Before: Wed Aug 23 19:36:43 2017
# Not Valid After : Sat Aug 23 19:36:43 2042
# Fingerprint (SHA-256):
55:90:38:59:C8:C0:C3:EB:B8:75:9E:CE:4E:25:57:22:5F:F5:75:8B:BD:38:EB:D4:82:76:60:1E:1B:D5:80:97
# Fingerprint (SHA1): E7:F3:A3:C8:CF:6F:C3:04:2E:6D:0E:67:32:C5:9E:68:95:0D:5E:D2
CKA_CLASS
CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Trustwave Global ECC P384 Certification Authority"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\347\363\243\310\317\157\303\004\056\155\016\147\062\305\236\150
\225\015\136\322
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\352\317\140\304\073\271\025\051\100\241\227\355\170\047\223\326
END
CKA_ISSUER MULTILINE_OCTAL
\060\201\221\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\021\060\017\006\003\125\004\010\023\010\111\154\154\151\156
\157\151\163\061\020\060\016\006\003\125\004\007\023\007\103\150
\151\143\141\147\157\061\041\060\037\006\003\125\004\012\023\030
\124\162\165\163\164\167\141\166\145\040\110\157\154\144\151\156
\147\163\054\040\111\156\143\056\061\072\060\070\006\003\125\004
\003\023\061\124\162\165\163\164\167\141\166\145\040\107\154\157
\142\141\154\040\105\103\103\040\120\063\070\064\040\103\145\162
\164\151\146\151\143\141\164\151\157\156\040\101\165\164\150\157
\162\151\164\171
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\014\010\275\205\227\154\231\047\244\200\150\107\073
END

```


CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#

Certificate "NAVER Global Root Certification Authority"

#

Issuer: CN=NAVER Global Root Certification Authority,O=NAVER BUSINESS PLATFORM Corp.,C=KR

Serial Number:01:94:30:1e:a2:0b:dd:f5:c5:33:2a:b1:43:44:71:f8:d6:50:4d:0d

Subject: CN=NAVER Global Root Certification Authority,O=NAVER BUSINESS PLATFORM Corp.,C=KR

Not Valid Before: Fri Aug 18 08:58:42 2017

Not Valid After : Tue Aug 18 23:59:59 2037

Fingerprint (SHA-256):

88:F4:38:DC:F8:FF:D1:FA:8F:42:91:15:FF:E5:F8:2A:E1:E0:6E:0C:70:C3:75:FA:AD:71:7B:34:A4:9E:72:65

Fingerprint (SHA1): 8F:6B:F2:A9:27:4A:DA:14:A0:C4:F4:8E:61:27:F9:C0:1E:78:5D:D1

CKA_CLASS

CK_OBJECT_CLASS CKO_CERTIFICATE

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "NAVER Global Root Certification Authority"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL

\060\151\061\013\060\011\006\003\125\004\006\023\002\113\122\061
\046\060\044\006\003\125\004\012\014\035\116\101\126\105\122\040
\102\125\123\111\116\105\123\123\040\120\114\101\124\106\117\122
\115\040\103\157\162\160\056\061\062\060\060\006\003\125\004\003
\014\051\116\101\126\105\122\040\107\154\157\142\141\154\040\122
\157\157\164\040\103\145\162\164\151\146\151\143\141\164\151\157
\156\040\101\165\164\150\157\162\151\164\171

END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

\060\151\061\013\060\011\006\003\125\004\006\023\002\113\122\061
\046\060\044\006\003\125\004\012\014\035\116\101\126\105\122\040
\102\125\123\111\116\105\123\123\040\120\114\101\124\106\117\122
\115\040\103\157\162\160\056\061\062\060\060\006\003\125\004\003
\014\051\116\101\126\105\122\040\107\154\157\142\141\154\040\122
\157\157\164\040\103\145\162\164\151\146\151\143\141\164\151\157
\156\040\101\165\164\150\157\162\151\164\171

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

\002\024\001\224\060\036\242\013\335\365\305\063\052\261\103\104
\161\370\326\120\115\015

END

CKA_VALUE MULTILINE_OCTAL

\060\202\005\242\060\202\003\212\240\003\002\001\002\002\024\001
\224\060\036\242\013\335\365\305\063\052\261\103\104\161\370\326
\120\115\015\060\015\006\011\052\206\110\206\367\015\001\001\014
\005\000\060\151\061\013\060\011\006\003\125\004\006\023\002\113
\122\061\046\060\044\006\003\125\004\012\014\035\116\101\126\105
\122\040\102\125\123\111\116\105\123\123\040\120\114\101\124\106
\117\122\115\040\103\157\162\160\056\061\062\060\060\006\003\125
\004\003\014\051\116\101\126\105\122\040\107\154\157\142\141\154
\040\122\157\157\164\040\103\145\162\164\151\146\151\143\141\164
\151\157\156\040\101\165\164\150\157\162\151\164\171\060\036\027
\015\061\067\060\070\061\070\060\070\065\070\064\062\132\027\015
\063\067\060\070\061\070\062\063\065\071\065\071\132\060\151\061
\013\060\011\006\003\125\004\006\023\002\113\122\061\046\060\044
\006\003\125\004\012\014\035\116\101\126\105\122\040\102\125\123
\111\116\105\123\123\040\120\114\101\124\106\117\122\115\040\103
\157\162\160\056\061\062\060\060\006\003\125\004\003\014\051\116
\101\126\105\122\040\107\154\157\142\141\154\040\122\157\157\164
\040\103\145\162\164\151\146\151\143\141\164\151\157\156\040\101
\165\164\150\157\162\151\164\171\060\202\002\042\060\015\006\011
\052\206\110\206\367\015\001\001\001\005\000\003\202\002\017\000
\060\202\002\012\002\202\002\001\000\266\324\361\223\134\265\100
\211\012\253\015\220\133\120\143\256\220\224\164\027\105\162\326
\173\145\132\051\113\247\126\240\113\270\057\102\165\351\331\173
\044\132\061\145\253\027\027\321\063\072\331\021\334\100\066\207
\337\307\152\351\046\136\131\212\167\343\350\110\234\061\026\372
\076\221\261\312\311\243\342\237\316\041\123\243\002\066\060\313
\122\002\345\332\062\135\303\305\346\371\356\021\307\213\311\104
\036\204\223\030\112\264\237\345\022\144\151\320\046\205\142\001
\266\311\002\035\276\203\121\273\134\332\370\255\025\152\231\367
\222\124\367\064\133\351\277\352\051\201\022\324\123\221\226\263
\221\132\335\376\220\163\050\373\060\106\265\312\010\007\307\161
\162\311\146\323\064\227\366\214\364\030\112\341\320\075\132\105
\266\151\247\051\373\043\316\210\330\022\234\000\110\250\246\017
\263\073\222\215\161\016\164\305\213\310\114\371\364\233\216\270
\074\151\355\157\073\120\057\130\355\304\260\320\034\033\152\014
\342\274\104\252\330\315\024\135\224\170\141\277\016\156\332\052
\274\057\014\013\161\246\263\026\077\234\346\371\314\237\123\065
\342\003\240\240\030\277\273\361\276\364\326\214\207\015\102\367
\006\271\361\155\355\004\224\250\376\266\323\006\306\100\141\337
\235\235\363\124\166\316\123\072\001\246\222\101\354\004\243\217
\015\242\325\011\312\326\313\232\361\357\103\135\300\253\245\101
\317\134\123\160\160\311\210\246\055\324\153\141\163\120\046\206
\141\016\137\033\302\053\342\214\325\273\235\301\003\102\272\224
\332\137\251\260\312\314\115\012\357\107\151\003\057\042\373\361
\050\316\277\135\120\145\250\220\155\263\164\260\010\307\254\250
\321\353\076\234\374\135\032\203\056\053\313\265\363\104\235\072
\247\027\141\226\242\161\323\160\226\025\115\267\114\163\356\031
\134\305\133\076\101\376\254\165\140\073\033\143\316\000\335\332

\010\220\142\264\345\055\356\110\247\153\027\231\124\276\207\112
\343\251\136\004\114\353\020\155\124\326\357\361\350\362\142\026
\313\200\153\355\075\355\365\037\060\245\256\113\311\023\355\212
\001\001\311\270\121\130\300\146\072\261\146\113\304\325\061\002
\142\351\164\204\014\333\115\106\055\002\003\001\000\001\243\102
\060\100\060\035\006\003\125\035\016\004\026\004\024\322\237\210
\337\241\315\054\275\354\365\073\001\001\223\063\047\262\353\140
\113\060\016\006\003\125\035\017\001\001\377\004\004\003\002\001
\006\060\017\006\003\125\035\023\001\001\377\004\005\060\003\001
\001\377\060\015\006\011\052\206\110\206\367\015\001\001\014\005
\000\003\202\002\001\000\062\312\200\263\235\075\124\006\335\322
\322\056\360\244\001\041\013\147\110\312\155\216\340\310\252\015
\252\215\041\127\217\306\076\172\312\333\121\324\122\263\324\226
\204\245\130\140\177\345\013\216\037\365\334\012\025\201\345\073
\266\267\042\057\011\234\023\026\261\154\014\065\010\155\253\143
\162\355\334\276\354\307\127\346\060\040\161\326\327\020\301\023
\125\001\214\052\103\344\101\361\317\072\172\123\222\316\242\003
\005\015\070\337\002\273\020\056\331\073\322\233\172\300\241\246
\370\265\061\346\364\165\311\271\123\231\165\107\042\132\024\025
\307\170\033\266\235\351\014\370\033\166\361\205\204\336\241\332
\022\357\244\342\020\227\172\170\336\014\121\227\250\041\100\213
\206\275\015\360\136\116\113\066\273\073\040\037\212\102\126\341
\013\032\277\173\320\042\103\054\104\214\373\345\052\264\154\034
\034\272\224\340\023\176\041\346\232\302\313\305\102\144\264\036
\224\173\010\045\310\161\314\207\105\127\205\323\237\051\142\042
\203\121\227\000\030\227\167\152\230\222\311\174\140\154\337\154
\175\112\344\160\114\302\236\270\035\367\320\064\307\017\314\373
\247\377\003\276\255\160\220\332\013\335\310\155\227\137\232\177
\011\062\101\375\315\242\314\132\155\114\362\252\111\376\146\370
\351\330\065\353\016\050\036\356\110\057\072\320\171\011\070\174
\246\042\202\223\225\320\003\276\276\002\240\005\335\040\042\343
\157\035\210\064\140\306\346\012\271\011\165\013\360\007\350\151
\226\065\307\373\043\201\216\070\071\270\105\053\103\170\242\321
\054\024\377\015\050\162\162\225\233\136\011\333\211\104\230\252
\241\111\273\161\122\362\277\366\377\047\241\066\257\270\266\167
\210\335\072\244\155\233\064\220\334\024\135\060\277\267\353\027
\344\207\267\161\320\241\327\167\025\324\102\327\362\363\061\231
\135\233\335\026\155\077\352\006\043\370\106\242\042\355\223\366
\335\232\346\052\207\261\230\124\361\042\367\153\105\343\342\216
\166\035\232\215\304\006\215\066\267\024\363\235\124\151\267\216
\074\325\244\155\223\201\267\255\366\275\144\173\302\311\150\071
\240\222\234\315\064\206\221\220\372\144\121\235\376\376\353\245
\365\165\336\211\367\162

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

```

# Trust for "NAVER Global Root Certification Authority"
# Issuer: CN=NAVER Global Root Certification Authority,O=NAVER BUSINESS PLATFORM Corp.,C=KR
# Serial Number:01:94:30:1e:a2:0b:dd:f5:c5:33:2a:b1:43:44:71:f8:d6:50:4d:0d
# Subject: CN=NAVER Global Root Certification Authority,O=NAVER BUSINESS PLATFORM Corp.,C=KR
# Not Valid Before: Fri Aug 18 08:58:42 2017
# Not Valid After : Tue Aug 18 23:59:59 2037
# Fingerprint (SHA-256):
88:F4:38:DC:F8:FF:D1:FA:8F:42:91:15:FF:E5:F8:2A:E1:E0:6E:0C:70:C3:75:FA:AD:71:7B:34:A4:9E:72:65
# Fingerprint (SHA1): 8F:6B:F2:A9:27:4A:DA:14:A0:C4:F4:8E:61:27:F9:C0:1E:78:5D:D1
CKA_CLASS
CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "NAVER Global Root Certification Authority"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\217\153\362\251\047\112\332\024\240\304\364\216\141\047\371\300
\036\170\135\321
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\310\176\101\366\045\073\365\011\263\027\350\106\075\277\320\233
END
CKA_ISSUER MULTILINE_OCTAL
\060\151\061\013\060\011\006\003\125\004\006\023\002\113\122\061
\046\060\044\006\003\125\004\012\014\035\116\101\126\105\122\040
\102\125\123\111\116\105\123\123\040\120\114\101\124\106\117\122
\115\040\103\157\162\160\056\061\062\060\060\006\003\125\004\003
\014\051\116\101\126\105\122\040\107\154\157\142\141\154\040\122
\157\157\164\040\103\145\162\164\151\146\151\143\141\164\151\157
\156\040\101\165\164\150\157\162\151\164\171
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\024\001\224\060\036\242\013\335\365\305\063\052\261\103\104
\161\370\326\120\115\015
END
CKA_TRUST_SERVER_AUTH
CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "AC RAIZ FNMT-RCM SERVIDORES SEGUROS"
#
# Issuer: CN=AC RAIZ FNMT-RCM SERVIDORES SEGUROS,OID.2.5.4.97=VATES-
Q2826004J,OU=Ceres,O=FNMT-RCM,C=ES
# Serial Number:62:f6:32:6c:e5:c4:e3:68:5c:1b:62:dd:9c:2e:9d:95

```

```
# Subject: CN=AC RAIZ FNMT-RCM SERVIDORES SEGUROS,OID.2.5.4.97=VATES-
Q2826004J,OU=Ceres,O=FNMT-RCM,C=ES
# Not Valid Before: Thu Dec 20 09:37:33 2018
# Not Valid After : Sun Dec 20 09:37:33 2043
# Fingerprint (SHA-256):
55:41:53:B1:3D:2C:F9:DD:B7:53:BF:BE:1A:4E:0A:E0:8D:0A:A4:18:70:58:FE:60:A2:B8:62:B2:E4:B8:7B:CB
# Fingerprint (SHA1): 62:FF:D9:9E:C0:65:0D:03:CE:75:93:D2:ED:3F:2D:32:C9:E3:E5:4A
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8
"AC RAIZ FNMT-RCM SERVIDORES SEGUROS"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\170\061\013\060\011\006\003\125\004\006\023\002\105\123\061
\021\060\017\006\003\125\004\012\014\010\106\116\115\124\055\122
\103\115\061\016\060\014\006\003\125\004\013\014\005\103\145\162
\145\163\061\030\060\026\006\003\125\004\141\014\017\126\101\124
\105\123\055\121\062\070\062\066\060\060\064\112\061\054\060\052
\006\003\125\004\003\014\043\101\103\040\122\101\111\132\040\106
\116\115\124\055\122\103\115\040\123\105\122\126\111\104\117\122
\105\123\040\123\105\107\125\122\117\123
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\170\061\013\060\011\006\003\125\004\006\023\002\105\123\061
\021\060\017\006\003\125\004\012\014\010\106\116\115\124\055\122
\103\115\061\016\060\014\006\003\125\004\013\014\005\103\145\162
\145\163\061\030\060\026\006\003\125\004\141\014\017\126\101\124
\105\123\055\121\062\070\062\066\060\060\064\112\061\054\060\052
\006\003\125\004\003\014\043\101\103\040\122\101\111\132\040\106
\116\115\124\055\122\103\115\040\123\105\122\126\111\104\117\122
\105\123\040\123\105\107\125\122\117\123
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\020\142\366\062\154\345\304\343\150\134\033\142\335\234\056
\235\225
END
CKA_VALUE MULTILINE_OCTAL
\060\202\002\156\060\202\001\363\240\003\002\001\002\002\020\142
\366\062\154\345\304\343\150\134\033\142\335\234\056\235\225\060
\012\006\010\052\206\110\316\075\004\003\003\060\170\061\013\060
\011\006\003\125\004\006\023\002\105\123\061\021\060\017\006\003
\125\004\012\014\010\106\116\115\124\055\122\103\115\061\016\060
\014\006\003\125\004\013\014\005\103\145\162\145\163\061\030\060
\026\006\003\125\004\141\014\017\126\101\124\105\123\055\121\062
```

\070\062\066\060\060\064\112\061\054\060\052\006\003\125\004\003
\014\043\101\103\040\122\101\111\132\040\106\116\115\124\055\122
\103\115\040\123\105\122\126\111\104\117\122\105\123\040\123\105
\107\125\122\117\123\060\036\027\015\061\070\061\062\062\060\060
\071\063\067\063\063\132\027\015\064\063\061\062\062\060\060\071
\063\067\063\063\132\060\170\061\013\060\011\006\003\125\004\006
\023\002\105\123\061\021\060\017\006\003\125\004\012\014\010\106
\116\115\124\055\122\103\115\061\016\060\014\006\003\125\004\013
\014\005\103\145\162\145\163\061\030\060\026\006\003\125\004\141
\014\017\126\101\124\105\123\055\121\062\070\062\066\060\060\064
\112\061\054\060\052\006\003\125\004\003\014\043\101\103\040\122
\101\111\132\040\106\116\115\124\055\122\103\115\040\123\105\122
\126\111\104\117\122\105\123\040\123\105\107\125\122\117\123\060
\166\060\020\006\007\052\206\110\316\075\002\001\006\005\053\201
\004\000\042\003\142\000\004\366\272\127\123\310\312\253\337\066
\112\122\041\344\227\322\203\147\236\360\145\121\320\136\207\307
\107\261\131\362\127\107\233\000\002\223\104\027\151\333\102\307
\261\262\072\030\016\264\135\214\263\146\135\241\064\371\066\054
\111\333\363\106\374\263\104\151\104\023\146\375\327\305\375\257
\066\115\316\003\115\007\161\317\257\152\005\322\242\103\132\012
\122\157\001\003\116\216\213\243\102\060\100\060\017\006\003\125
\035\023\001\001\377\004\005\060\003\001\001\377\060\016\006\003
\125\035\017\001\001\377\004\004\003\002\001\006\060\035\006\003
\125\035\016\004\026\004\024\001\271\057\357\277\021\206\140\362
\117\320\101\156\253\163\037\347\322\156\111\060\012\006\010\052
\206\110\316\075\004\003\003\003\151\000\060\146\002\061\000\256
\112\343\053\100\303\164\021\362\225\255\026\043\336\116\014\032
\346\135\245\044\136\153\104\173\374\070\342\117\313\234\105\027
\021\114\024\047\046\125\071\165\112\003\314\023\220\237\222\002
\061\000\372\112\154\140\210\163\363\356\270\230\142\251\316\053
\302\331\212\246\160\061\035\257\260\224\114\353\117\306\343\321
\363\142\247\074\377\223\056\007\134\111\001\147\151\022\002\162
\277\347

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "AC

RAIZ FNMT-RCM SERVIDORES SEGUROS"

Issuer: CN=AC RAIZ FNMT-RCM SERVIDORES SEGUROS,OID.2.5.4.97=VATES-
Q2826004J,OU=Ceres,O=FNMT-RCM,C=ES

Serial Number:62:f6:32:6c:e5:c4:e3:68:5c:1b:62:dd:9c:2e:9d:95

Subject: CN=AC RAIZ FNMT-RCM SERVIDORES SEGUROS,OID.2.5.4.97=VATES-
Q2826004J,OU=Ceres,O=FNMT-RCM,C=ES

Not Valid Before: Thu Dec 20 09:37:33 2018

Not Valid After : Sun Dec 20 09:37:33 2043

```

# Fingerprint (SHA-256):
55:41:53:B1:3D:2C:F9:DD:B7:53:BF:BE:1A:4E:0A:E0:8D:0A:A4:18:70:58:FE:60:A2:B8:62:B2:E4:B8:7B:CB
# Fingerprint (SHA1): 62:FF:D9:9E:C0:65:0D:03:CE:75:93:D2:ED:3F:2D:32:C9:E3:E5:4A
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "AC RAIZ FNMT-RCM SERVIDORES SEGUROS"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\142\377\331\236\300\145\015\003\316\165\223\322\355\077\055\062
\311\343\345\112
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\031\066\234\122\003\057\322\321\273\043\314\335\036\022\125\273
END
CKA_ISSUER
MULTILINE_OCTAL
\060\170\061\013\060\011\006\003\125\004\006\023\002\105\123\061
\021\060\017\006\003\125\004\012\014\010\106\116\115\124\055\122
\103\115\061\016\060\014\006\003\125\004\013\014\005\103\145\162
\145\163\061\030\060\026\006\003\125\004\141\014\017\126\101\124
\105\123\055\121\062\070\062\066\060\060\064\112\061\054\060\052
\006\003\125\004\003\014\043\101\103\040\122\101\111\132\040\106
\116\115\124\055\122\103\115\040\123\105\122\126\111\104\117\122
\105\123\040\123\105\107\125\122\117\123
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\142\366\062\154\345\304\343\150\134\033\142\335\234\056
\235\225
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "GlobalSign Secure Mail Root R45"
#
# Issuer: CN=GlobalSign Secure Mail Root R45,O=GlobalSign nv-sa,C=BE
# Serial Number:76:53:fe:a8:4c:50:ab:9f:8d:32:b5:1d:03:8f:57:dc
#
Subject: CN=GlobalSign Secure Mail Root R45,O=GlobalSign nv-sa,C=BE
# Not Valid Before: Wed Mar 18 00:00:00 2020
# Not Valid After : Sat Mar 18 00:00:00 2045
# Fingerprint (SHA-256):
31:9A:F0:A7:72:9E:6F:89:26:9C:13:1E:A6:A3:A1:6F:CD:86:38:9F:DC:AB:3C:47:A4:A6:75:C1:61:A3:F9:74
# Fingerprint (SHA1): 76:18:D1:F3:80:24:3D:52:40:C6:11:6A:AD:57:77:09:7D:81:30:A0
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE

```

```
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "GlobalSign Secure Mail Root R45"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\122\061\013\060\011\006\003\125\004\006\023\002\102\105\061
\031\060\027\006\003\125\004\012\023\020\107\154\157\142\141\154
\123\151\147\156\040\156\166\055\163\141\061\050\060\046\006\003
\125\004\003\023\037\107\154\157\142\141\154\123\151\147\156\040
\123\145\143\165\162\145\040\115\141\151\154\040\122\157\157\164
\040\122\064\065
END
CKA_ID
UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\122\061\013\060\011\006\003\125\004\006\023\002\102\105\061
\031\060\027\006\003\125\004\012\023\020\107\154\157\142\141\154
\123\151\147\156\040\156\166\055\163\141\061\050\060\046\006\003
\125\004\003\023\037\107\154\157\142\141\154\123\151\147\156\040
\123\145\143\165\162\145\040\115\141\151\154\040\122\157\157\164
\040\122\064\065
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\166\123\376\250\114\120\253\237\215\062\265\035\003\217
\127\334
END
CKA_VALUE MULTILINE_OCTAL
\060\202\005\160\060\202\003\130\240\003\002\001\002\002\020\166
\123\376\250\114\120\253\237\215\062\265\035\003\217\127\334\060
\015\006\011\052\206\110\206\367\015\001\001\014\005\000\060\122
\061\013\060\011\006\003\125\004\006\023\002\102\105\061\031\060
\027\006\003\125\004\012\023\020\107\154\157\142\141\154\123\151
\147\156\040\156\166\055\163\141\061\050\060\046\006\003\125\004
\003\023\037\107\154\157\142\141\154\123\151\147\156\040\123\145
\143\165\162\145\040\115\141\151\154\040\122\157\157\164\040\122
\064\065\060\036\027\015\062\060\060\063\061\070\060\060\060\060
\060\060\132\027\015\064\065\060\063\061\070\060\060\060\060\060
\060\132\060\122\061\013\060\011\006\003\125\004\006\023\002\102
\105\061\031\060\027\006\003\125\004\012\023\020\107\154\157\142
\141\154\123\151\147\156\040\156\166\055\163\141\061\050\060\046
\006\003\125\004\003\023\037\107\154\157\142\141\154\123\151\147
\156\040\123\145\143\165\162\145\040\115\141\151\154\040\122\157
\157\164\040\122\064\065\060\202\002\042\060\015\006\011\052\206
\110\206\367\015\001\001\001\005\000\003\202\002\017\000\060\202
\002\012\002\202\002\001\000\334\171\314\155\006\371\155\273\340
\126\004\154\177\340\165\314\055\005\111\350\113\334\124\354\133
\167\225\162\277\177\142\235\205\251\212\044\120\137\123\345\333
```


\164\157\244\051\133\023\052\011\255\232\305\057\302\367\166\073
\241\105\106\252\103\346\044\376\053\260\157\062\160\031\106\132
\171\046\057\374\075\175\137\144\313\127\314\141\141\250\331\225
\156\343\225\240\156\177\107\022\030\326\357\003\311\373\212\372
\232\275\202\025\251\125\167\113\021\117\131\340\153\303\161\363
\014\330\124\325\201\150\076\023\271\025\056\207\212\074\104\047
\066\142\044\156\370\054\005\162\060\141\275\102\221\043\304\235
\045\247\331\124\232\024\243\061\255\200\171\014\247\143\154\230
\243\254\127\107\063\037\145\226\341\320\322\065\332\371\161\367
\241\246\045\265\101\135\337\076\140\330\321\366\237\245\362\270
\314\023\252\217\371\262\156\341\203\055\223\335\076\205\032\335
\350\261\134\046\001\313\111\205\374\374\322\324\177\205\142\206
\164\371\313\354\065\042\242\014\060\217\073\253\171\353\126\362
\372\102\363\355\371\037\105\211\100\051\255\352\222\164\352\122
\375\126\264\053\332\242\355\165\302\156\253\316\122\220\113\366
\336\360\111\217\232\110\324\210\031\155\105\346\314\214\271\335
\144\140\140\002\100\370\271\317\274\130\353\075\205\271\306\012
\323\234\007\146\217\307\030\071\043\106\341\074\036\243\057\120
\141\222\013\075\053\154\361\243\107\070\127\221\253\015\217\306
\235\115\004\322\046\122\134\345\245\375\052\055\026\052\001\151
\347\251\175\341\066\267\261\052\305\331\261\215\275\271\213\316
\314\213\241\076\013\110\315\120\225\064\304\330\010\131\330\153
\046\364\276\365\324\042\027\000\127\311\256\233\004\060\063\237
\013\373\337\126\242\311\156\124\166\332\261\227\142\047\131\017
\021\212\042\033\144\226\077\250\361\267\044\112\215\074\123\174
\155\203\166\075\262\046\110\163\365\104\026\001\055\011\052\216
\026\226\120\320\163\006\135\273\042\110\202\114\012\106\132\077
\200\377\134\362\362\232\254\054\010\340\326\352\360\022\070\201
\117\246\020\355\106\253\314\026\234\013\317\144\246\231\002\205
\104\147\106\255\375\115\347\002\003\001\000\001\243\102\060\100
\060\016\006\003\125\035\017\001\001\377\004\004\003\002\001\206
\060\017\006\003\125\035\023\001\001\377\004\005\060\003\001\001
\377\060\035\006\003\125\035\016\004\026\004\024\240\223\025\050
\156\356\217\010\262\065\306\236\142\171\164\247\261\016\053\173
\060\015\006\011\052\206\110\206\367\015\001\001\014\005\000\003
\202\002\001\000\105\012\370\321\134\254\142\201\320\004\327\266
\377\127\121\211\013\014\313\336\044\145\067\373\253\236\355\146
\364\352\014\031\151\211\270\031\261\060\126\264\331\366\367\276
\306\256\227\313\105\366\021\214\072\060\144\114\301\237\131\300
\106\102\010\006\107\144\027\170\340\225\007\006\326\214\242\254
\251\331\077\323\173\126\117\374\304\207\050\337\266\053\026\043
\300\237\037\133\343\326\104\136\042\117\043\004\214\065\026\265
\171\007\206\134\057\227\342\366\010\144\246\334\333\250\212\343
\244\173\167\015\321\051\223\050\040\264\123\243\113\116\137\336
\301\366\165\043\374\037\074\170\117\160\061\170\057\242\065\124
\161\004\254\310\304\155\303\366\221\261\376\315\356\104\156\201
\366\100\305\076\052\001\277\253\114\261\003\077\015\021\344\017
\322\044\343\042\210\233\237\137\107\075\121\111\340\011\067\176

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\027\041\061\166\267\147\161\110\050\113\045\327\020\350\237\141
\131\026\305\076\062\116\037\014\316\243\314\017\344\307\021\007
\042\057\070\010\335\133\227\353\102\154\131\232\232\356\172\320
\235\337\305\333\011\103\056\012\252\031\075\153\350\152\060\172
\127\346\277\263\152\071\251\217\343\361\117\145\150\266\275\237
\050\217\241\026\132\011\120\072\062\056\035\057\104\021\102\246
\000\346\061\230\377\055\241\017\346\244\140\126\317\171\327\262
\116\327\260\372\156\014\127\043\307\316\037\245\261\114\155\031
\111\236\016\177\160\217\161\077\130\050\237\165\335\141\340\072
\267\071\266\356\227\324\065\121\373\213\111\140\310\074\146\256
\227\356\215\046\131\127\273\170\360\172\120\060\011\260\140\252
\237\116\334\311\076\036\072\334\142\223\063\260\072\124\164\157
\054\061\105\321\153\021\062\152\150\166\366\075\366\152\023\136
\044\230\347\352\035\232\317\170\202\007\140\367\115\020\323\201
\232\105\215\236\257\233\334\200\307\103\262\225\150\244\303\016
\350\012\107\025\277\124\063\334\001\347\325\246\036\163\330\172
\262\277\057\255\343\125\060\236\337\016\101\274\340\021\365\241
\014\250\042\341\343\000\243\116\160\174\222\343\004\321\172\102
\212\165\220\131\343\233\321\114\242\144\275\163\171\233\157\362
\263\301\366\074
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "GlobalSign Secure Mail Root R45"

Issuer: CN=GlobalSign Secure Mail Root R45,O=GlobalSign nv-sa,C=BE

Serial Number:76:53:fe:a8:4c:50:ab:9f:8d:32:b5:1d:03:8f:57:dc

Subject: CN=GlobalSign Secure Mail Root R45,O=GlobalSign nv-sa,C=BE

Not Valid Before: Wed Mar 18 00:00:00 2020

Not Valid After : Sat Mar 18 00:00:00 2045

Fingerprint (SHA-256):

31:9A:F0:A7:72:9E:6F:89:26:9C:13:1E:A6:A3:A1:6F:CD:86:38:9F:DC:AB:3C:47:A4:A6:75:C1:61:A3:F9:74

Fingerprint (SHA1): 76:18:D1:F3:80:24:3D:52:40:C6:11:6A:AD:57:77:09:7D:81:30:A0

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE

CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "GlobalSign Secure Mail Root R45"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\166\030\321\363\200\044\075\122\100\306\021\152\255\127\167\011
\175\201\060\240
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\223\304\173\263\016\124\107\034\103\054\213\276\160\205\142\051
```

END

```

CKA_ISSUER MULTILINE_OCTAL
\060\122\061\013\060\011\006\003\125\004\006\023\002\102\105\061
\031\060\027\006\003\125\004\012\023\020\107\154\157\142\141\154
\123\151\147\156\040\156\166\055\163\141\061\050\060\046\006\003
\125\004\003\023\037\107\154\157\142\141\154\123\151\147\156\040
\123\145\143\165\162\145\040\115\141\151\154\040\122\157\157\164
\040\122\064\065
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\166\123\376\250\114\120\253\237\215\062\265\035\003\217
\127\334
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL
CK_FALSE

#
# Certificate "GlobalSign Secure Mail Root E45"
#
# Issuer: CN=GlobalSign Secure Mail Root E45,O=GlobalSign nv-sa,C=BE
# Serial Number:76:53:fe:aa:27:1d:95:46:5d:d6:f1:9e:e5:b8:90:0a
# Subject: CN=GlobalSign Secure Mail Root E45,O=GlobalSign nv-sa,C=BE
# Not Valid Before: Wed Mar 18 00:00:00 2020
# Not Valid After : Sat Mar 18 00:00:00 2045
# Fingerprint (SHA-256):
5C:BF:6F:B8:1F:D4:17:EA:41:28:CD:6F:81:72:A3:C9:40:20:94:F7:4A:B2:ED:3A:06:B4:40:5D:04:F3:0B:19
# Fingerprint (SHA1): 18:2E:1F:32:4F:89:DF:BE:FE:88:89:F0:93:C2:C4:A0:2B:67:75:21
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "GlobalSign Secure Mail Root E45"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\122\061\013\060\011\006\003\125\004\006\023\002\102\105\061
\031\060\027\006\003\125\004\012\023\020\107\154\157\142\141\154
\123\151\147\156\040\156\166\055\163\141\061\050\060\046\006\003
\125\004\003\023\037\107\154\157\142\141\154\123\151\147\156\040
\123\145\143\165\162\145\040\115\141\151\154\040\122\157\157\164
\040\105\064\065
END
CKA_ID
UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\122\061\013\060\011\006\003\125\004\006\023\002\102\105\061
\031\060\027\006\003\125\004\012\023\020\107\154\157\142\141\154

```

\123\151\147\156\040\156\166\055\163\141\061\050\060\046\006\003
\125\004\003\023\037\107\154\157\142\141\154\123\151\147\156\040
\123\145\143\165\162\145\040\115\141\151\154\040\122\157\157\164
\040\105\064\065

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\002\020\166\123\376\252\047\035\225\106\135\326\361\236\345\270
\220\012

END

CKA_VALUE MULTILINE_OCTAL

\060\202\002\041\060\202\001\247\240\003\002\001\002\002\020\166
\123\376\252\047\035\225\106\135\326\361\236\345\270\220\012\060
\012\006\010\052\206\110\316\075\004\003\003\060\122\061\013\060
\011\006\003\125\004\006\023\002\102\105\061\031\060\027\006\003
\125\004\012\023\020\107\154\157\142\141\154\123\151\147\156\040
\156\166\055\163\141\061\050\060\046\006\003\125\004\003\023\037
\107\154\157\142\141\154\123\151\147\156\040\123\145\143\165\162
\145\040\115\141\151\154\040\122\157\157\164\040\105\064\065\060
\036\027\015\062\060\060\063\061\070\060\060\060\060\060\132
\027\015\064\065\060\063\061\070\060\060\060\060\060\132\060
\122\061\013\060\011\006\003\125\004\006\023\002\102\105\061\031
\060\027\006\003\125\004\012\023\020\107\154\157\142\141\154\123
\151\147\156\040\156\166\055\163\141\061\050\060\046\006\003\125
\004\003\023\037\107\154\157\142\141\154\123\151\147\156\040\123
\145\143\165\162\145\040\115\141\151\154\040\122\157\157\164\040
\105\064\065\060\166\060\020\006\007\052\206\110\316\075\002\001
\006\005\053\201\004\000\042\003\142\000\004\371\171\213\201\107
\067\211\226\077\105\111\120\177\032\046\013\223\062\176\056\300
\300\247\010\232\303\156\217\233\076\013\042\354\067\123\267\157
\212\260\274\047\067\113\155\251\106\073\331\037\377\245\241\104
\273\055\163\277\236\101\007\134\123\233\121\010\072\132\273\157
\070\307\026\221\170\302\112\023\151\035\202\337\132\057\000\210
\226\242\056\034\164\371\235\176\146\067\212\243\102\060\100\060
\016\006\003\125\035\017\001\001\377\004\004\003\002\001\206\060
\017\006\003\125\035\023\001\001\377\004\005\060\003\001\001\377
\060\035\006\003\125\035\016\004\026\004\024\337\023\136\213\137
\302\100\002\375\126\267\224\114\266\036\325\246\261\024\226\060
\012\006\010\052\206\110\316\075\004\003\003\003\150\000\060\145
\002\060\023\260\276\327\161\040\076\344\253\234\316\066\022\175
\137\114\037\052\265\151\105\063\137\323\055\132\262\344\210\307
\336\012\066\102\062\171\235\246\153\272\341\371\104\052\173\212
\303\022\002\061\000\240\146\034\116\207\235\207\311\355\231\114
\033\012\356\055\140\303\067\307\035\315\265\162\260\331\306\357
\274\362\377\077\360\122\335\010\347\252\144\171\303\344\151\127
\221\057\244\313\174

END

CKA_NSS_MOZILLA_CA_POLICY

```

CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER
CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for "GlobalSign Secure Mail Root E45"
# Issuer: CN=GlobalSign Secure Mail Root E45,O=GlobalSign nv-sa,C=BE
# Serial Number:76:53:fe:aa:27:1d:95:46:5d:d6:f1:9e:e5:b8:90:0a
# Subject: CN=GlobalSign Secure Mail Root E45,O=GlobalSign nv-sa,C=BE
# Not Valid Before: Wed Mar 18 00:00:00 2020
# Not Valid After : Sat Mar 18 00:00:00 2045
# Fingerprint (SHA-256):
5C:BF:6F:B8:1F:D4:17:EA:41:28:CD:6F:81:72:A3:C9:40:20:94:F7:4A:B2:ED:3A:06:B4:40:5D:04:F3:0B:19
# Fingerprint (SHA1): 18:2E:1F:32:4F:89:DF:BE:FE:88:89:F0:93:C2:C4:A0:2B:67:75:21
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "GlobalSign Secure Mail Root E45"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\030\056\037\062\117\211\337\276\376\210\211\360\223\302\304\240
\053\147\165\041
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\305\374\306\056\237\364\122\055\052\250\244\272\373\147\062\377
END
CKA_ISSUER
MULTILINE_OCTAL
\060\122\061\013\060\011\006\003\125\004\006\023\002\102\105\061
\031\060\027\006\003\125\004\012\023\020\107\154\157\142\141\154
\123\151\147\156\040\156\166\055\163\141\061\050\060\046\006\003
\125\004\003\023\037\107\154\157\142\141\154\123\151\147\156\040
\123\145\143\165\162\145\040\115\141\151\154\040\122\157\157\164
\040\105\064\065
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\166\123\376\252\047\035\225\106\135\326\361\236\345\270
\220\012
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "GlobalSign Root R46"
#
# Issuer: CN=GlobalSign Root R46,O=GlobalSign nv-sa,C=BE

```

```
# Serial Number:11:d2:bb:b9:d7:23:18:9e:40:5f:0a:9d:2d:d0:df:25:67:d1
# Subject: CN=GlobalSign Root R46,O=GlobalSign nv-sa,C=BE
# Not Valid Before: Wed Mar 20 00:00:00 2019
# Not
  Valid After : Tue Mar 20 00:00:00 2046
# Fingerprint (SHA-256):
4F:A3:12:6D:8D:3A:11:D1:C4:85:5A:4F:80:7C:BA:D6:CF:91:9D:3A:5A:88:B0:3B:EA:2C:63:72:D9:3C:40:C9
# Fingerprint (SHA1): 53:A2:B0:4B:CA:6B:D6:45:E6:39:8A:8E:C4:0D:D2:BF:77:C3:A2:90
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "GlobalSign Root R46"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\106\061\013\060\011\006\003\125\004\006\023\002\102\105\061
\031\060\027\006\003\125\004\012\023\020\107\154\157\142\141\154
\123\151\147\156\040\156\166\055\163\141\061\034\060\032\006\003
\125\004\003\023\023\107\154\157\142\141\154\123\151\147\156\040
\122\157\157\164\040\122\064\066
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\106\061\013\060\011\006\003\125\004\006\023\002\102\105\061
\031\060\027\006\003\125\004\012\023\020\107\154\157\142\141\154
\123\151\147\156\040\156\166\055\163\141\061\034\060\032\006\003
\125\004\003\023\023\107\154\157\142\141\154\123\151\147\156\040
\122\157\157\164\040\122\064\066
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\022\021\322\273\271\327\043\030\236\100\137\012\235\055\320
\337\045\147\321
END
CKA_VALUE MULTILINE_OCTAL
\060\202\005\132\060\202\003\102\240\003\002\001\002\002\022\021
\322\273\271\327\043\030\236\100\137\012\235\055\320\337\045\147
\321\060\015\006\011\052\206\110\206\367\015\001\001\014\005\000
\060\106\061\013\060\011\006\003\125\004\006\023\002\102\105\061
\031\060\027\006\003\125\004\012\023\020\107\154\157\142\141\154
\123\151\147\156\040\156\166\055\163\141\061\034\060\032\006\003
\125\004\003\023\023\107\154\157\142\141\154\123\151\147\156\040
\122\157\157\164\040\122\064\066\060\036\027\015\061\071\060\063
\062\060\060\060\060\060\060\060\132\027\015\064\066\060\063\062
\060\060\060\060\060\060\060\132\060\106\061\013\060\011\006\003
\125\004\006\023\002\102\105\061\031\060\027\006\003\125\004\012
\023\020\107\154\157\142\141\154\123\151\147\156\040\156\166\055
\163\141\061\034\060\032\006\003\125\004\003\023\023\107\154\157
```

\142\141\154\123\151\147\156\040\122\157\157\164\040\122\064\066
\060\202\002\042\060\015\006\011\052\206\110\206\367\015\001\001
\001\005\000\003\202\002\017\000\060\202\002\012\002\202\002\001
\000\254\254\164\062\350\263\145\345\272\355\103\046\035\246\211
\015\105\272\051\210\262\244\035\143\335\323\301\054\011\127\211
\071\241\125\351\147\064\167\014\156\344\125\035\122\045\322\023
\153\136\341\035\251\267\175\211\062\137\015\236\237\054\172\143
\140\100\037\246\260\266\170\217\231\124\226\010\130\256\344\006
\274\142\005\002\026\277\257\250\043\003\266\224\017\274\156\154
\302\313\325\246\273\014\351\366\301\002\373\041\336\146\335\027
\253\164\102\357\360\164\057\045\364\352\153\125\133\220\333\235
\337\136\207\012\100\373\255\031\153\373\367\312\140\210\336\332
\301\217\326\256\325\177\324\074\203\356\327\026\114\203\105\063
\153\047\320\206\320\034\055\153\363\253\175\361\205\251\365\050
\322\255\357\363\204\113\034\207\374\023\243\072\162\242\132\021
\053\326\047\161\047\355\201\055\155\146\201\222\207\264\033\130
\172\314\077\012\372\106\117\115\170\134\370\053\110\343\004\204
\313\135\366\264\152\263\145\374\102\236\121\046\043\040\313\075
\024\371\201\355\145\026\000\117\032\144\227\146\010\317\214\173
\343\053\300\235\371\024\362\033\361\126\152\026\277\054\205\205
\315\170\070\232\353\102\152\002\064\030\203\027\116\224\126\370
\266\202\265\363\226\335\075\363\276\177\040\167\076\173\031\043
\153\054\324\162\163\103\127\175\340\370\327\151\117\027\066\004
\371\300\220\140\067\105\336\346\014\330\164\215\256\234\242\155
\164\135\102\276\006\365\331\144\156\002\020\254\211\260\114\073
\007\115\100\176\044\305\212\230\202\171\216\244\247\202\040\215
\043\372\047\161\311\337\306\101\164\240\115\366\221\026\334\106
\214\137\051\143\061\131\161\014\330\157\302\266\062\175\373\346
\135\123\246\176\025\374\273\165\174\135\354\370\366\027\034\354
\307\153\031\313\363\173\360\053\007\245\331\154\171\124\166\154
\235\034\246\156\016\351\171\014\250\043\152\243\337\033\060\061
\237\261\124\173\376\152\313\146\252\334\145\320\242\236\112\232
\007\041\153\201\217\333\304\131\372\336\042\300\004\234\343\252
\133\066\223\350\075\275\172\241\235\013\166\261\013\307\235\375
\317\230\250\006\302\370\052\243\241\203\240\267\045\162\245\002
\343\002\003\001\000\001\243\102\060\100\060\016\006\003\125\035
\017\001\001\377\004\004\003\002\001\206\060\017\006\003\125\035
\023\001\001\377\004\005\060\003\001\001\377\060\035\006\003\125
\035\016\004\026\004\024\003\134\253\163\201\207\250\314\260\246
\325\224\342\066\226\111\377\005\231\054\060\015\006\011\052\206
\110\206\367\015\001\001\014\005\000\003\202\002\001\000\174\170
\354\366\002\054\273\133\176\222\053\135\071\334\276\330\035\242
\102\063\115\371\357\244\052\073\104\151\036\254\331\105\243\116
\074\247\330\044\121\262\124\034\223\116\304\357\173\223\205\140
\046\352\011\110\340\365\273\307\351\150\322\273\152\061\161\314
\171\256\021\250\360\231\375\345\037\274\057\250\314\127\353\166
\304\041\246\107\123\125\115\150\277\005\244\356\327\046\253\142
\332\103\067\113\342\306\265\345\262\203\031\072\307\323\333\115

```
\236\010\172\363\356\317\076\142\373\254\350\140\314\321\307\241
\134\203\105\304\105\314\363\027\153\024\311\004\002\076\322\044
\246\171\351\036\316\242\347\301\131\025\237\035\342\113\232\076
\237\166\010\055\153\330\272\127\024\332\203\352\376\214\125\351
\320\116\251\314\167\061\261\104\021\172\134\261\076\323\024\105
\025\030\142\044\023\322\313\115\316\134\203\301\066\362\020\265
\016\210\155\270\341\126\237\211\336\226\146\071\107\144\054\156
\115\256\142\173\277\140\164\031\270\126\254\222\254\026\062\355
\255\150\125\376\230\272\323\064\336\364\311\141\303\016\206\366
\113\204\140\356\015\173\265\062\130\171\221\125\054\201\103\263
\164\037\172\252\045\236\035\327\241\213\271\315\102\056\004\244
\146\203\115\211\065\266\154\250\066\112\171\041\170\042\320\102
\274\321\100\061\220\241\276\004\317\312\147\355\365\360\200\323
\140\311\203\052\042\005\320\007\073\122\277\014\236\252\053\371
\273\346\037\217\045\272\205\215\027\036\002\376\135\120\004\127
\317\376\055\274\357\134\300\032\253\266\237\044\306\337\163\150
\110\220\054\024\364\077\122\032\344\322\313\024\303\141\151\317
\342\371\030\305\272\063\237\024\243\004\135\271\161\367\265\224
\330\366\063\301\132\301\064\213\174\233\335\223\072\347\023\242
\160\141\237\257\217\353\330\305\165\370\063\146\324\164\147\072
\067\167\234\347\335\244\017\166\103\146\212\103\362\237\373\014
\102\170\143\321\342\017\157\173\324\241\075\164\227\205\267\110
\071\101\326\040\374\320\072\263\372\350\157\304\212\272\161\067
\276\213\227\261\170\061\117\263\347\266\003\023\316\124\235\256
\045\131\314\177\065\137\010\367\100\105\061\170\052\172
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

#

Trust for "GlobalSign Root R46"

Issuer: CN=GlobalSign Root R46,O=GlobalSign nv-sa,C=BE

Serial Number:11:d2:bb:b9:d7:23:18:9e:40:5f:0a:9d:2d:d0:df:25:67:d1

Subject: CN=GlobalSign Root R46,O=GlobalSign nv-sa,C=BE

Not Valid Before: Wed Mar 20 00:00:00 2019

Not Valid After : Tue Mar 20 00:00:00 2046

Fingerprint (SHA-256):

4F:A3:12:6D:8D:3A:11:D1:C4:85:5A:4F:80:7C:BA:D6:CF:91:9D:3A:5A:88:B0:3B:EA:2C:63:72:D9:3C:40:C9

Fingerprint (SHA1): 53:A2:B0:4B:CA:6B:D6:45:E6:39:8A:8E:C4:0D:D2:BF:77:C3:A2:90

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "GlobalSign Root R46"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\123\242\260\113\312\153\326\105\346\071\212\216\304\015\322\277
```



```

\167\303\242\220
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\304\024\060\344\372\146\103\224\052\152\033\044\137\031\320\357
END
CKA_ISSUER MULTILINE_OCTAL
\060\106\061\013\060\011\006\003\125\004\006\023\002\102\105\061
\031\060\027\006\003\125\004\012\023\020\107\154\157\142\141\154
\123\151\147\156\040\156\166\055\163\141\061\034\060\032\006\003
\125\004\003\023\023\107\154\157\142\141\154\123\151\147\156\040
\122\157\157\164\040\122\064\066
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\022\021\322\273\271\327\043\030\236\100\137\012\235\055\320
\337\045\147\321
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "GlobalSign Root E46"
#
# Issuer: CN=GlobalSign Root E46,O=GlobalSign nv-sa,C=BE
# Serial Number:11:d2:bb:ba:33:6e:d4:bc:e6:24:68:c5:0d:84:1d:98:e8:43
# Subject: CN=GlobalSign Root E46,O=GlobalSign nv-sa,C=BE
# Not Valid Before: Wed Mar 20 00:00:00 2019
# Not Valid After : Tue Mar 20 00:00:00 2046
# Fingerprint (SHA-256):
CB:B9:C4:4D:84:B8:04:3E:10:50:EA:31:A6:9F:51:49:55:D7:BF:D2:E2:C6:B4:93:01:01:9A:D6:1D:9F:50:58
#
Fingerprint (SHA1): 39:B4:6C:D5:FE:80:06:EB:E2:2F:4A:BB:08:33:A0:AF:DB:B9:DD:84
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "GlobalSign Root E46"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\106\061\013\060\011\006\003\125\004\006\023\002\102\105\061
\031\060\027\006\003\125\004\012\023\020\107\154\157\142\141\154
\123\151\147\156\040\156\166\055\163\141\061\034\060\032\006\003
\125\004\003\023\023\107\154\157\142\141\154\123\151\147\156\040
\122\157\157\164\040\105\064\066
END
CKA_ID UTF8 "0"

```

CKA_ISSUER MULTILINE_OCTAL

\060\106\061\013\060\011\006\003\125\004\006\023\002\102\105\061
\031\060\027\006\003\125\004\012\023\020\107\154\157\142\141\154
\123\151\147\156\040\156\166\055\163\141\061\034\060\032\006\003
\125\004\003\023\023\107\154\157\142\141\154\123\151\147\156\040
\122\157\157\164\040\105\064\066

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\002\022\021\322\273\272\063\156\324\274\346\044\150\305\015\204
\035\230\350\103

END

CKA_VALUE

MULTILINE_OCTAL

\060\202\002\013\060\202\001\221\240\003\002\001\002\002\022\021
\322\273\272\063\156\324\274\346\044\150\305\015\204\035\230\350
\103\060\012\006\010\052\206\110\316\075\004\003\003\060\106\061
\013\060\011\006\003\125\004\006\023\002\102\105\061\031\060\027
\006\003\125\004\012\023\020\107\154\157\142\141\154\123\151\147
\156\040\156\166\055\163\141\061\034\060\032\006\003\125\004\003
\023\023\107\154\157\142\141\154\123\151\147\156\040\122\157\157
\164\040\105\064\066\060\036\027\015\061\071\060\063\062\060\060
\060\060\060\060\060\132\027\015\064\066\060\063\062\060\060\060
\060\060\060\060\132\060\106\061\013\060\011\006\003\125\004\006
\023\002\102\105\061\031\060\027\006\003\125\004\012\023\020\107
\154\157\142\141\154\123\151\147\156\040\156\166\055\163\141\061
\034\060\032\006\003\125\004\003\023\023\107\154\157\142\141\154
\123\151\147\156\040\122\157\157\164\040\105\064\066\060\166\060
\020\006\007\052\206\110\316\075\002\001\006\005\053\201\004\000
\042\003\142\000\004\234\016\261\317\267\350\236\122\167\165\064
\372\245\106\247\255\062\031\062\264\007\251\047\312\224\273\014
\322\012\020\307\332\211\260\227\014\160\023\011\001\216\330\352
\107\352\276\262\200\053\315\374\050\015\333\254\274\244\206\067
\355\160\010\000\165\352\223\013\173\056\122\234\043\150\043\006
\103\354\222\057\123\204\333\373\107\024\007\350\137\224\147\135
\311\172\201\074\040\243\102\060\100\060\016\006\003\125\035\017
\001\001\377\004\004\003\002\001\206\060\017\006\003\125\035\023
\001\001\377\004\005\060\003\001\001\377\060\035\006\003\125\035
\016\004\026\004\024\061\012\220\217\266\306\235\322\104\113\200
\265\242\346\037\261\022\117\033\225\060\012\006\010\052\206\110
\316\075\004\003\003\003\150\000\060\145\002\061\000\337\124\220
\355\233\357\213\224\002\223\027\202\231\276\263\236\054\366\013
\221\214\237\112\024\261\366\144\274\273\150\121\023\014\003\367
\025\213\204\140\271\213\377\122\216\347\214\274\034\002\060\074
\371\021\324\214\116\300\301\141\302\025\114\252\253\035\013\061
\137\073\034\342\000\227\104\061\346\376\163\226\057\332\226\323
\376\010\007\263\064\211\274\005\237\367\036\206\356\213\160

END

CKA_NSS_MOZILLA_CA_POLICY

```

CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for "GlobalSign Root E46"
# Issuer: CN=GlobalSign Root E46,O=GlobalSign nv-sa,C=BE
# Serial Number:11:d2:bb:ba:33:6e:d4:bc:e6:24:68:c5:0d:84:1d:98:e8:43
# Subject: CN=GlobalSign Root E46,O=GlobalSign nv-sa,C=BE
# Not Valid Before: Wed Mar 20 00:00:00 2019
# Not Valid After : Tue Mar 20 00:00:00 2046
# Fingerprint (SHA-256):
CB:B9:C4:4D:84:B8:04:3E:10:50:EA:31:A6:9F:51:49:55:D7:BF:D2:E2:C6:B4:93:01:01:9A:D6:1D:9F:50:58
# Fingerprint (SHA1): 39:B4:6C:D5:FE:80:06:EB:E2:2F:4A:BB:08:33:A0:AF:DB:B9:DD:84
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL
CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "GlobalSign Root E46"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\071\264\154\325\376\200\006\353\342\057\112\273\010\063\240\257
\333\271\335\204
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\265\270\146\355\336\010\203\343\311\342\001\064\006\254\121\157
END
CKA_ISSUER MULTILINE_OCTAL
\060\106\061\013\060\011\006\003\125\004\006\023\002\102\105\061
\031\060\027\006\003\125\004\012\023\020\107\154\157\142\141\154
\123\151\147\156\040\156\166\055\163\141\061\034\060\032\006\003
\125\004\003\023\023\107\154\157\142\141\154\123\151\147\156\040
\122\157\157\164\040\105\064\066
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\022\021\322\273\272\063\156\324\274\346\044\150\305\015\204
\035\230\350\103
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "GLOBALTRUST
2020"
#
# Issuer: CN=GLOBALTRUST 2020,O=e-commerce monitoring GmbH,C=AT
# Serial Number:5a:4b:bd:5a:fb:4f:8a:5b:fa:65:e5

```

```
# Subject: CN=GLOBALTRUST 2020,O=e-commerce monitoring GmbH,C=AT
# Not Valid Before: Mon Feb 10 00:00:00 2020
# Not Valid After : Sun Jun 10 00:00:00 2040
# Fingerprint (SHA-256):
9A:29:6A:51:82:D1:D4:51:A2:E3:7F:43:9B:74:DA:AF:A2:67:52:33:29:F9:0F:9A:0D:20:07:C3:34:E2:3C:9A
# Fingerprint (SHA1): D0:67:C1:13:51:01:0C:AA:D0:C7:6A:65:37:31:16:26:4F:53:71:A2
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "GLOBALTRUST 2020"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\115\061\013\060\011\006\003\125\004\006\023\002\101\124\061
\043\060\041\006\003\125\004\012\023\032\145\055\143\157\155\155
\145\162\143\145\040\155\157\156\151\164\157\162\151\156\147\040
\107\155\142\110\061\031\060\027\006\003\125\004\003\023\020\107
\114\117\102\101\114\124\122\125\123\124\040\062\060\062\060
END
CKA_ID
UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\115\061\013\060\011\006\003\125\004\006\023\002\101\124\061
\043\060\041\006\003\125\004\012\023\032\145\055\143\157\155\155
\145\162\143\145\040\155\157\156\151\164\157\162\151\156\147\040
\107\155\142\110\061\031\060\027\006\003\125\004\003\023\020\107
\114\117\102\101\114\124\122\125\123\124\040\062\060\062\060
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\013\132\113\275\132\373\117\212\133\372\145\345
END
CKA_VALUE MULTILINE_OCTAL
\060\202\005\202\060\202\003\152\240\003\002\001\002\002\013\132
\113\275\132\373\117\212\133\372\145\345\060\015\006\011\052\206
\110\206\367\015\001\001\013\005\000\060\115\061\013\060\011\006
\003\125\004\006\023\002\101\124\061\043\060\041\006\003\125\004
\012\023\032\145\055\143\157\155\155\145\162\143\145\040\155\157
\156\151\164\157\162\151\156\147\040\107\155\142\110\061\031\060
\027\006\003\125\004\003\023\020\107\114\117\102\101\114\124\122
\125\123\124\040\062\060\062\060\060\060\060\036\027\015\062\060\060\062
\061\060\060\060\060\060\060\060\132\027\015\064\060\060\066\061
\060\060\060\060\060\060\060\132\060\115\061\013\060\011\006\003
\125\004\006\023\002\101\124\061\043\060\041\006\003\125\004\012
\023\032\145\055\143\157\155\155\145\162\143\145\040\155\157\156
\151\164\157\162\151\156\147\040\107\155\142\110\061\031\060\027
\006\003\125\004\003\023\020\107\114\117\102\101\114\124\122\125
\123\124\040\062\060\062\060\060\060\202\002\042\060\015\006\011\052
\206\110\206\367\015\001\001\001\005\000\003\202\002\017\000\060
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\202\002\012\002\202\002\001\000\256\056\126\255\033\034\357\366
\225\217\240\167\033\053\323\143\217\204\115\105\242\017\237\133
\105\253\131\173\121\064\371\354\213\212\170\305\335\153\257\275
\304\337\223\105\036\277\221\070\013\256\016\026\347\101\163\370
\333\273\321\270\121\340\313\203\073\163\070\156\167\212\017\131
\143\046\315\247\052\316\124\373\270\342\300\174\107\316\140\174
\077\262\163\362\300\031\266\212\222\207\065\015\220\050\242\344
\025\004\143\076\272\257\356\174\136\314\246\213\120\262\070\367
\101\143\312\316\377\151\217\150\016\225\066\345\314\271\214\011
\312\113\335\061\220\226\310\314\037\375\126\226\064\333\216\034
\352\054\276\205\056\143\335\252\251\225\323\375\051\225\023\360
\310\230\223\331\055\026\107\220\021\203\242\072\042\242\050\127
\242\353\376\300\214\050\240\246\175\347\052\102\073\202\200\143
\245\143\037\031\314\174\262\146\250\302\323\155\067\157\342\176
\006\121\331\105\204\037\022\316\044\122\144\205\013\110\200\116
\207\261\042\042\060\252\353\256\276\340\002\340\100\350\260\102
\200\003\121\252\264\176\252\104\327\103\141\363\242\153\026\211
\111\244\243\244\053\212\002\304\170\364\150\212\301\344\172\066
\261\157\033\226\033\167\111\215\324\311\006\162\217\317\123\343
\334\027\205\040\112\334\230\047\323\221\046\053\107\036\151\007
\257\336\242\344\344\324\153\013\263\136\174\324\044\200\107\051
\151\073\156\350\254\375\100\353\330\355\161\161\053\362\350\130
\035\353\101\227\042\305\037\324\071\320\047\217\207\343\030\364
\340\251\106\015\365\164\072\202\056\320\156\054\221\243\061\134
\073\106\352\173\004\020\126\136\200\035\365\245\145\350\202\374
\342\007\214\142\105\365\040\336\106\160\206\241\274\223\323\036
\164\246\154\260\054\367\003\014\210\014\313\324\162\123\206\274
\140\106\363\230\152\302\361\277\103\371\160\040\167\312\067\101
\171\125\122\143\215\133\022\237\305\150\304\210\235\254\362\060
\253\267\243\061\227\147\255\217\027\017\154\307\163\355\044\224
\153\310\203\232\320\232\067\111\004\253\261\026\310\154\111\111
\055\253\241\320\214\222\362\101\112\171\041\045\333\143\327\266
\234\247\176\102\151\373\072\143\002\003\001\000\001\243\143\060
\141\060\017\006\003\125\035\023\001\001\377\004\005\060\003\001
\001\377\060\016\006\003\125\035\017\001\001\377\004\004\003\002
\001\006\060\035\006\003\125\035\016\004\026\004\024\334\056\037
\321\141\067\171\344\253\325\325\263\022\161\150\075\152\150\234
\042\060\037\006\003\125\035\043\004\030\060\026\200\024\334\056
\037\321\141\067\171\344\253\325\325\263\022\161\150\075\152\150
\234\042\060\015\006\011\052\206\110\206\367\015\001\001\013\005
\000\003\202\002\001\000\221\360\102\002\150\100\356\303\150\300
\124\057\337\354\142\303\303\236\212\240\061\050\252\203\216\244
\126\226\022\020\206\126\272\227\162\322\124\060\174\255\031\325
\035\150\157\373\024\102\330\215\016\363\265\321\245\343\002\102
\136\334\350\106\130\007\065\002\060\340\274\164\112\301\103\052
\377\333\032\320\260\257\154\303\375\313\263\365\177\155\003\056
\131\126\235\055\055\065\214\262\326\103\027\054\222\012\313\135
\350\214\017\113\160\103\320\202\377\250\314\277\244\224\300\276

\207\275\212\343\223\173\306\217\233\026\235\047\145\274\172\305
\102\202\154\134\007\320\251\301\210\140\104\351\230\205\026\137
\370\217\312\001\020\316\045\303\371\140\033\240\305\227\303\323
\054\210\061\242\275\060\354\320\320\300\022\361\301\071\343\345
\365\370\326\112\335\064\315\373\157\301\117\343\000\213\126\342
\222\367\050\262\102\167\162\043\147\307\077\021\025\262\304\003
\005\276\273\021\173\012\277\250\156\347\377\130\103\317\233\147
\240\200\007\266\035\312\255\155\352\101\021\176\055\164\223\373
\302\274\276\121\104\305\357\150\045\047\200\343\310\240\324\022
\354\331\245\067\035\067\174\264\221\312\332\324\261\226\201\357
\150\134\166\020\111\257\176\245\067\200\261\034\122\275\063\201
\114\217\371\335\145\331\024\315\212\045\130\364\342\305\203\245
\011\220\324\154\024\143\265\100\337\353\300\374\304\130\176\015
\024\026\207\124\047\156\126\344\160\204\270\154\062\022\176\202
\061\103\276\327\335\174\241\255\256\326\253\040\022\357\012\303
\020\214\111\226\065\334\013\165\136\261\117\325\117\064\016\021
\040\007\165\103\105\351\243\021\332\254\243\231\302\266\171\047
\342\271\357\310\342\366\065\051\172\164\372\305\177\202\005\142
\246\012\352\150\262\171\107\006\156\362\127\250\025\063\306\367
\170\112\075\102\173\153\176\376\367\106\352\321\353\216\357\210
\150\133\350\301\331\161\176\375\144\357\377\147\107\210\130\045
\057\076\206\007\275\373\250\345\202\250\254\245\323\151\103\315
\061\210\111\204\123\222\300\261\071\033\071\203\001\060\304\362
\251\372\320\003\275\162\067\140\126\037\066\174\275\071\221\365
\155\015\277\173\327\222

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "GLOBALTRUST 2020"

Issuer: CN=GLOBALTRUST 2020,O=e-commerce monitoring GmbH,C=AT

Serial Number:5a:4b:bd:5a:fb:4f:8a:5b:fa:65:e5

Subject: CN=GLOBALTRUST 2020,O=e-commerce monitoring GmbH,C=AT

Not Valid Before: Mon Feb 10 00:00:00 2020

Not Valid After : Sun Jun 10 00:00:00 2040

Fingerprint (SHA-256):

9A:29:6A:51:82:D1:D4:51:A2:E3:7F:43:9B:74:DA:AF:A2:67:52:33:29:F9:0F:9A:0D:20:07:C3:34:E2:3C:9A

Fingerprint (SHA1): D0:67:C1:13:51:01:0C:AA:D0:C7:6A:65:37:31:16:26:4F:53:71:A2

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE

CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "GLOBALTRUST 2020"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

\320\147\301\023\121\001\014\252\320\307\152\145\067\061\026\046

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\117\123\161\242
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\212\307\157\313\155\343\314\242\361\174\203\372\016\170\327\350
END
CKA_ISSUER MULTILINE_OCTAL
\060\115\061\013\060\011\006\003\125\004\006\023\002\101\124\061
\043\060\041\006\003\125\004\012\023\032\145\055\143\157\155\155
\145\162\143\145\040\155\157\156\151\164\157\162\151\156\147\040
\107\155\142\110\061\031\060\027\006\003\125\004\003\023\020\107
\114\117\102\101\114\124\122\125\123\124\040\062\060\062\060
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\013\132\113\275\132\373\117\212\133\372\145\345
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "ANF
# Secure Server Root CA"
#
# Issuer: CN=ANF Secure Server Root CA,OU=ANF CA Raiz,O=ANF Autoridad de
# Certificacion,C=ES,serialNumber=G63287510
# Serial Number:0d:d3:e3:bc:6c:f9:6b:b1
# Subject: CN=ANF Secure Server Root CA,OU=ANF CA Raiz,O=ANF Autoridad de
# Certificacion,C=ES,serialNumber=G63287510
# Not Valid Before: Wed Sep 04 10:00:38 2019
# Not Valid After : Tue Aug 30 10:00:38 2039
# Fingerprint (SHA-256):
FB:8F:EC:75:91:69:B9:10:6B:1E:51:16:44:C6:18:C5:13:04:37:3F:6C:06:43:08:8D:8B:EF:FD:1B:99:75:99
# Fingerprint (SHA1): 5B:6E:68:D0:CC:15:B6:A0:5F:1E:C1:5F:AE:02:FC:6B:2F:5D:6F:74
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "ANF Secure Server Root CA"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\204\061\022\060\020\006\003\125\004\005\023\011\107\066
\063\062\070\067\065\061\060\061\013\060\011\006\003\125\004\006
\023\002\105\123\061\047\060\045\006\003\125\004\012\023\036\101
\116\106\040\101\165\164\157\162\151\144\141\144\040\144\145\040
\103\145\162\164\151\146\151\143\141\143\151\157\156\061\024\060
\022\006\003\125\004\013\023\013\101\116\106\040\103\101\040\122
\141\151\172\061\042\060\040\006\003\125\004\003\023\031\101\116

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\106\040\123\145\143\165\162\145\040\123\145\162\166\145\162\040
\122\157\157\164\040\103\101
END
CKA_ID
UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\201\204\061\022\060\020\006\003\125\004\005\023\011\107\066
\063\062\070\067\065\061\060\061\013\060\011\006\003\125\004\006
\023\002\105\123\061\047\060\045\006\003\125\004\012\023\036\101
\116\106\040\101\165\164\157\162\151\144\141\144\040\144\145\040
\103\145\162\164\151\146\151\143\141\143\151\157\156\061\024\060
\022\006\003\125\004\013\023\013\101\116\106\040\103\101\040\122
\141\151\172\061\042\060\040\006\003\125\004\003\023\031\101\116
\106\040\123\145\143\165\162\145\040\123\145\162\166\145\162\040
\122\157\157\164\040\103\101
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\010\015\323\343\274\154\371\153\261
END
CKA_VALUE MULTILINE_OCTAL
\060\202\005\357\060\202\003\327\240\003\002\001\002\002\010\015
\323\343\274\154\371\153\261\060\015\006\011\052\206\110\206\367
\015\001\001\013\005\000\060\201\204\061\022\060\020\006\003\125
\004\005\023\011\107\066\063\062\070\067\065\061\060\061\013\060
\011\006\003\125\004\006\023\002\105\123\061\047\060\045\006\003
\125\004\012\023\036\101\116\106\040\101\165\164\157\162\151\144
\141\144\040\144\145\040\103\145\162\164\151\146\151\143\141\143
\151\157\156\061\024\060\022\006\003\125\004\013\023\013\101\116
\106\040\103\101\040\122\141\151\172\061\042\060\040\006\003\125
\004\003\023\031\101\116\106\040\123\145\143\165\162\145\040\123
\145\162\166\145\162\040\122\157\157\164\040\103\101\060\036\027
\015\061\071\060\071\060\064\061\060\060\060\063\070\132\027\015
\063\071\060\070\063\060\061\060\060\060\063\070\132\060\201\204
\061\022\060\020\006\003\125\004\005\023\011\107\066\063\062\070
\067\065\061\060\061\013\060\011\006\003\125\004\006\023\002\105
\123\061\047\060\045\006\003\125\004\012\023\036\101\116\106\040
\101\165\164\157\162\151\144\141\144\040\144\145\040\103\145\162
\164\151\146\151\143\141\143\151\157\156\061\024\060\022\006\003
\125\004\013\023\013\101\116\106\040\103\101\040\122\141\151\172
\061\042\060\040\006\003\125\004\003\023\031\101\116\106\040\123
\145\143\165\162\145\040\123\145\162\166\145\162\040\122\157\157
\164\040\103\101\060\202\002\042\060\015\006\011\052\206\110\206
\367\015\001\001\001\005\000\003\202\002\017\000\060\202\002\012
\002\202\002\001\000\333\353\153\053\346\144\124\225\202\220\243
\162\244\031\001\235\234\013\201\137\163\111\272\247\254\363\004
\116\173\226\013\354\021\340\133\246\034\316\033\322\015\203\034
\053\270\236\035\176\105\062\140\017\007\351\167\130\176\237\152
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\310\141\116\266\046\301\114\215\377\114\357\064\262\037\145\330
\271\170\365\255\251\161\271\357\117\130\035\245\336\164\040\227
\241\355\150\114\336\222\027\113\274\253\377\145\232\236\373\107
\331\127\162\363\011\241\256\166\104\023\156\234\055\104\071\274
\371\307\073\244\130\075\101\275\264\302\111\243\310\015\322\227
\057\007\145\122\000\247\156\310\257\150\354\364\024\226\266\127
\037\126\303\071\237\053\155\344\363\076\366\065\144\332\014\034
\241\204\113\057\113\113\342\054\044\235\155\223\100\353\265\043
\216\062\312\157\105\323\250\211\173\036\317\036\372\133\103\213
\315\315\250\017\152\312\014\136\271\236\107\217\360\331\266\012
\013\130\145\027\063\271\043\344\167\031\175\313\112\056\222\173
\117\057\020\167\261\215\057\150\234\142\314\340\120\370\354\221
\247\124\114\127\011\325\166\143\305\350\145\036\356\155\152\317
\011\235\372\174\117\255\140\010\375\126\231\017\025\054\173\251
\200\253\214\141\217\112\007\166\102\336\075\364\335\262\044\063
\133\270\265\243\104\311\254\177\167\074\035\043\354\202\251\246
\342\310\006\114\002\376\254\134\231\231\013\057\020\212\246\364
\177\325\207\164\015\131\111\105\366\360\161\134\071\051\326\277
\112\043\213\365\137\001\143\322\207\163\050\265\113\012\365\370
\253\202\054\176\163\045\062\035\013\143\012\027\201\000\377\266
\166\136\347\264\261\100\312\041\273\325\200\121\345\110\122\147
\054\322\141\211\007\015\017\316\102\167\300\104\163\234\104\120
\240\333\020\012\055\225\034\201\257\344\034\345\024\036\361\066
\101\001\002\057\175\163\247\336\102\314\114\351\211\015\126\367
\237\221\324\003\306\154\311\217\333\330\034\340\100\230\135\146
\231\230\200\156\055\377\001\305\316\313\106\037\254\002\306\103
\346\256\242\204\074\305\116\036\075\155\311\024\114\343\056\101
\273\312\071\277\066\074\052\031\252\101\207\116\245\316\113\062
\171\335\220\111\177\002\003\001\000\001\243\143\060\141\060\037
\006\003\125\035\043\004\030\060\026\200\024\234\137\320\154\143
\243\137\223\312\223\230\010\255\214\207\245\054\134\301\067\060
\035\006\003\125\035\016\004\026\004\024\234\137\320\154\143\243
\137\223\312\223\230\010\255\214\207\245\054\134\301\067\060\016
\006\003\125\035\017\001\001\377\004\004\003\002\001\206\060\017
\006\003\125\035\023\001\001\377\004\005\060\003\001\001\377\060
\015\006\011\052\206\110\206\367\015\001\001\013\005\000\003\202
\002\001\000\116\036\271\212\306\240\230\077\156\303\151\300\152
\134\111\122\254\313\053\135\170\070\301\325\124\204\237\223\360
\207\031\075\054\146\211\353\015\102\374\314\360\165\205\077\213
\364\200\135\171\345\027\147\275\065\202\342\362\074\216\175\133
\066\313\132\200\000\051\362\316\053\054\361\217\252\155\005\223
\154\162\307\126\353\337\120\043\050\345\105\020\075\350\147\243
\257\016\125\017\220\011\142\357\113\131\242\366\123\361\300\065
\344\057\301\044\275\171\057\116\040\042\073\375\032\040\260\244
\016\054\160\355\164\077\270\023\225\006\121\310\350\207\046\312
\244\133\152\026\041\222\335\163\140\236\020\030\336\074\201\352
\350\030\303\174\211\362\213\120\076\275\021\342\025\003\250\066
\175\063\001\154\110\025\327\210\220\231\004\305\314\346\007\364

```
\274\364\220\355\023\342\352\213\303\217\243\063\017\301\051\114
\023\116\332\025\126\161\163\162\202\120\366\232\063\174\242\261
\250\032\064\164\145\134\316\321\353\253\123\340\032\200\330\352
\072\111\344\046\060\233\345\034\212\250\251\025\062\206\231\222
\012\020\043\126\022\340\366\316\114\342\273\276\333\215\222\163
\001\146\057\142\076\262\162\047\105\066\355\115\126\343\227\231
\377\072\065\076\245\124\112\122\131\113\140\333\356\376\170\021
\177\112\334\024\171\140\266\153\144\003\333\025\203\341\242\276
\366\043\227\120\360\011\063\066\247\161\226\045\363\271\102\175
\333\070\077\054\130\254\350\102\341\016\330\323\073\114\056\202
\351\203\056\153\061\331\335\107\206\117\155\227\221\056\117\342
\050\161\065\026\321\362\163\376\045\053\007\107\044\143\047\310
\370\366\331\153\374\022\061\126\010\300\123\102\257\234\320\063
\176\374\006\360\061\104\003\024\361\130\352\362\152\015\251\021
\262\203\276\305\032\277\007\352\131\334\243\210\065\357\234\166
\062\074\115\006\042\316\025\345\335\236\330\217\332\336\322\304
\071\345\027\201\317\070\107\353\177\210\155\131\033\337\237\102
\024\256\176\317\250\260\146\145\332\067\257\237\252\075\352\050
\266\336\325\061\130\026\202\133\352\273\031\165\002\163\032\312
\110\032\041\223\220\012\216\223\204\247\175\073\043\030\222\211
\240\215\254
```

END

CKA_NSS_Mozilla_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "ANF Secure Server Root CA"

Issuer: CN=ANF Secure Server Root CA,OU=ANF CA Raiz,O=ANF Autoridad de
Certificacion,C=ES,serialNumber=G63287510

Serial Number:0d:d3:e3:bc:6c:f9:6b:b1

Subject: CN=ANF Secure Server Root CA,OU=ANF CA Raiz,O=ANF Autoridad de
Certificacion,C=ES,serialNumber=G63287510

Not Valid Before: Wed Sep 04 10:00:38 2019

Not Valid After : Tue Aug 30 10:00:38 2039

Fingerprint (SHA-256):

FB:8F:EC:75:91:69:B9:10:6B:1E:51:16:44:C6:18:C5:13:04:37:3F:6C:06:43:08:8D:8B:EF:FD:1B:99:75:99

Fingerprint (SHA1): 5B:6E:68:D0:CC:15:B6:A0:5F:1E:C1:5F:AE:02:FC:6B:2F:5D:6F:74

CKA_CLASS

CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "ANF Secure Server Root CA"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\133\156\150\320\314\025\266\240\137\036\301\137\256\002\374\153
\057\135\157\164
```

END

```

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\046\246\104\132\331\257\116\057\262\035\266\145\260\116\350\226
END
CKA_ISSUER MULTILINE_OCTAL
\060\201\204\061\022\060\020\006\003\125\004\005\023\011\107\066
\063\062\070\067\065\061\060\061\013\060\011\006\003\125\004\006
\023\002\105\123\061\047\060\045\006\003\125\004\012\023\036\101
\116\106\040\101\165\164\157\162\151\144\141\144\040\144\145\040
\103\145\162\164\151\146\151\143\141\143\151\157\156\061\024\060
\022\006\003\125\004\013\023\013\101\116\106\040\103\101\040\122
\141\151\172\061\042\060\040\006\003\125\004\003\023\031\101\116
\106\040\123\145\143\165\162\145\040\123\145\162\166\145\162\040
\122\157\157\164\040\103\101
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\010\015\323\343\274\154\371\153\261
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "Certum EC-384 CA"
#
# Issuer: CN=Certum EC-384 CA,OU=Certum Certification Authority,O=Asseco Data Systems S.A.,C=PL
# Serial Number:78:8f:27:5c:81:12:52:20:a5:04:d0:2d:dd:ba:73:f4
# Subject: CN=Certum EC-384 CA,OU=Certum Certification Authority,O=Asseco Data Systems S.A.,C=PL
# Not Valid Before: Mon Mar 26 07:24:54 2018
# Not Valid After : Thu Mar 26 07:24:54 2043
# Fingerprint (SHA-256):
6B:32:80:85:62:53:18:AA:50:D1:73:C9:8D:8B:DA:09:D5:7E:27:41:3D:11:4C:F7:87:A0:F5:D0:6C:03:0C:F6
# Fingerprint (SHA1): F3:3E:78:3C:AC:DF:F4:A2:CC:AC:67:55:69:56:D7:E5:16:3C:E1:ED
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE
CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Certum EC-384 CA"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\164\061\013\060\011\006\003\125\004\006\023\002\120\114\061
\041\060\037\006\003\125\004\012\023\030\101\163\163\145\143\157
\040\104\141\164\141\040\123\171\163\164\145\155\163\040\123\056
\101\056\061\047\060\045\006\003\125\004\013\023\036\103\145\162
\164\165\155\040\103\145\162\164\151\146\151\143\141\164\151\157
\156\040\101\165\164\150\157\162\151\164\171\061\031\060\027\006

```

\003\125\004\003\023\020\103\145\162\164\165\155\040\105\103\055
\063\070\064\040\103\101
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\164\061\013\060\011\006\003\125\004\006\023\002\120\114\061
\041\060\037\006\003\125\004\012\023\030\101\163\163\145\143\157
\040\104\141\164\141\040\123\171\163\164\145\155\163\040\123\056
\101\056\061\047\060\045\006\003\125\004\013\023\036\103\145\162
\164\165\155\040\103\145\162\164\151\146\151\143\141\164\151\157
\156\040\101\165\164\150\157\162\151\164\171\061\031\060\027\006
\003\125\004\003\023\020\103\145\162\164\165\155\040\105\103\055
\063\070\064\040\103\101
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\020\170\217\047\134\201\022\122\040\245\004\320\055\335\272
\163\364
END
CKA_VALUE MULTILINE_OCTAL
\060\202\002\145\060\202\001\353\240\003\002\001\002\002\020\170
\217\047\134\201\022\122\040\245\004\320\055\335\272\163\364\060
\012\006\010\052\206\110\316\075\004\003\003\060\164\061\013\060
\011\006\003\125\004\006\023\002\120\114\061\041\060\037\006\003
\125\004\012\023\030\101\163\163\145\143\157\040\104\141\164\141
\040\123\171\163\164\145\155\163\040\123\056\101\056\061\047\060
\045\006\003\125\004\013\023\036\103\145\162\164\165\155\040\103
\145\162\164\151\146\151\143\141\164\151\157\156\040\101\165\164
\150\157\162\151\164\171\061\031\060\027\006\003\125\004\003\023
\020\103\145\162\164\165\155\040\105\103\055\063\070\064\040\103
\101\060\036\027\015\061\070\060\063\062\066\060\067\062\064\065
\064\132\027\015\064\063\060\063\062\066\060\067\062\064\065\064
\132\060\164\061\013\060\011\006\003\125\004\006\023\002\120\114
\061\041\060\037\006\003\125\004\012\023\030\101\163\163\145\143
\157\040\104\141\164\141\040\123\171\163\164\145\155\163\040\123
\056\101\056\061\047\060\045\006\003\125\004\013\023\036\103\145
\162\164\165\155\040\103\145\162\164\151\146\151\143\141\164\151
\157\156\040\101\165\164\150\157\162\151\164\171\061\031\060\027
\006\003\125\004\003\023\020\103\145\162\164\165\155\040\105\103
\055\063\070\064\040\103\101\060\166\060\020\006\007\052\206\110
\316\075\002\001\006\005\053\201\004\000\042\003\142\000\004\304
\050\216\253\030\133\152\276\156\144\067\143\344\315\354\253\072
\367\314\241\270\016\202\111\327\206\051\237\241\224\362\343\140
\170\230\201\170\006\115\362\354\232\016\127\140\203\237\264\346
\027\057\032\263\135\002\133\211\043\074\302\021\005\052\247\210
\023\030\363\120\204\327\275\064\054\047\211\125\377\316\114\347
\337\246\037\050\304\360\124\303\271\174\267\123\255\353\302\243
\102\060\100\060\017\006\003\125\035\023\001\001\377\004\005\060

```
\003\001\001\377\060\035\006\003\125\035\016\004\026\004\024\215
\006\146\164\044\166\072\363\211\367\274\326\275\107\175\057\274
\020\137\113\060\016\006\003\125\035\017\001\001\377\004\004\003
\002\001\006\060\012\006\010\052\206\110\316\075\004\003\003\003
\150\000\060\145\002\060\003\125\055\246\346\030\304\174\357\311
\120\156\301\047\017\234\207\257\156\325\033\010\030\275\222\051
\301\357\224\221\170\322\072\034\125\211\142\345\033\011\036\272
\144\153\361\166\264\324\002\061\000\264\102\204\231\377\253\347
\236\373\221\227\047\135\334\260\133\060\161\316\136\070\032\152
\331\045\347\352\367\141\222\126\370\352\332\066\302\207\145\226
\056\162\045\057\177\337\303\023\311
```

END

CKA_NSS_Mozilla_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "Certum EC-384 CA"

Issuer: CN=Certum EC-384

CA,OU=Certum Certification Authority,O=Asseco Data Systems S.A.,C=PL

Serial Number:78:8f:27:5c:81:12:52:20:a5:04:d0:2d:dd:ba:73:f4

Subject: CN=Certum EC-384 CA,OU=Certum Certification Authority,O=Asseco Data Systems S.A.,C=PL

Not Valid Before: Mon Mar 26 07:24:54 2018

Not Valid After : Thu Mar 26 07:24:54 2043

Fingerprint (SHA-256):

6B:32:80:85:62:53:18:AA:50:D1:73:C9:8D:8B:DA:09:D5:7E:27:41:3D:11:4C:F7:87:A0:F5:D0:6C:03:0C:F6

Fingerprint (SHA1): F3:3E:78:3C:AC:DF:F4:A2:CC:AC:67:55:69:56:D7:E5:16:3C:E1:ED

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "Certum EC-384 CA"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\363\076\170\074\254\337\364\242\314\254\147\125\151\126\327\345
\026\074\341\355
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\266\145\263\226\140\227\022\241\354\116\341\075\243\306\311\361
```

END

CKA_ISSUER MULTILINE_OCTAL

```
\060\164\061\013\060\011\006\003\125\004\006\023\002\120\114\061
\041\060\037\006\003\125\004\012\023\030\101\163\163\145\143\157
\040\104\141\164\141\040\123\171\163\164\145\155\163\040\123\056
\101\056\061\047\060\045\006\003\125\004\013\023\036\103\145\162
\164\165\155\040\103\145\162\164\151\146\151\143\141\164\151\157
\156\040\101\165\164\150\157\162\151\164\171\061\031\060\027\006
\003\125\004\003\023\020\103\145\162\164\165\155\040\105\103\055
\063\070\064\040\103\101
```

```

END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\020\170\217\047\134\201\022\122\040\245\004\320\055\335\272
\163\364
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "Certum Trusted Root CA"
#
# Issuer: CN=Certum Trusted Root CA,OU=Certum Certification Authority,O=Asseco Data Systems S.A.,C=PL
# Serial Number: 1e:bf:59:50:b8:c9:80:37:4c:06:f7:eb:55:4f:b5:ed
# Subject: CN=Certum Trusted Root
CA,OU=Certum Certification Authority,O=Asseco Data Systems S.A.,C=PL
# Not Valid Before: Fri Mar 16 12:10:13 2018
# Not Valid After : Mon Mar 16 12:10:13 2043
# Fingerprint (SHA-256):
FE:76:96:57:38:55:77:3E:37:A9:5E:7A:D4:D9:CC:96:C3:01:57:C1:5D:31:76:5B:A9:B1:57:04:E1:AE:78:FD
# Fingerprint (SHA1): C8:83:44:C0:18:AE:9F:CC:F1:87:B7:8F:22:D1:C5:D7:45:84:BA:E5
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Certum Trusted Root CA"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\172\061\013\060\011\006\003\125\004\006\023\002\120\114\061
\041\060\037\006\003\125\004\012\023\030\101\163\163\145\143\157
\040\104\141\164\141\040\123\171\163\164\145\155\163\040\123\056
\101\056\061\047\060\045\006\003\125\004\013\023\036\103\145\162
\164\165\155\040\103\145\162\164\151\146\151\143\141\164\151\157
\156\040\101\165\164\150\157\162\151\164\171\061\037\060\035\006
\003\125\004\003\023\026\103\145\162\164\165\155\040\124\162\165
\163\164\145\144\040\122\157\157\164\040\103\101
END
CKA_ID
UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\172\061\013\060\011\006\003\125\004\006\023\002\120\114\061
\041\060\037\006\003\125\004\012\023\030\101\163\163\145\143\157
\040\104\141\164\141\040\123\171\163\164\145\155\163\040\123\056
\101\056\061\047\060\045\006\003\125\004\013\023\036\103\145\162
\164\165\155\040\103\145\162\164\151\146\151\143\141\164\151\157
\156\040\101\165\164\150\157\162\151\164\171\061\037\060\035\006

```

\003\125\004\003\023\026\103\145\162\164\165\155\040\124\162\165
\163\164\145\144\040\122\157\157\164\040\103\101

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\002\020\036\277\131\120\270\311\200\067\114\006\367\353\125\117
\265\355

END

CKA_VALUE MULTILINE_OCTAL

\060\202\005\300\060\202\003\250\240\003\002\001\002\002\020\036
\277\131\120\270\311\200\067\114\006\367\353\125\117\265\355\060
\015\006\011\052\206\110\206\367\015\001\001\015\005\000\060\172
\061\013\060\011\006\003\125\004\006\023\002\120\114\061\041\060
\037\006\003\125\004\012\023\030\101\163\163\145\143\157\040\104
\141\164\141\040\123\171\163\164\145\155\163\040\123\056\101\056
\061\047\060\045\006\003\125\004\013\023\036\103\145\162\164\165
\155\040\103\145\162\164\151\146\151\143\141\164\151\157\156\040
\101\165\164\150\157\162\151\164\171\061\037\060\035\006\003\125
\004\003\023\026\103\145\162\164\165\155\040\124\162\165\163\164
\145\144\040\122\157\157\164\040\103\101\060\036\027\015\061\070
\060\063\061\066\061\062\061\060\061\063\132\027\015\064\063\060
\063\061\066\061\062\061\060\061\063\132\060\172\061\013\060\011
\006\003\125\004\006\023\002\120\114\061\041\060\037\006\003\125
\004\012\023\030\101\163\163\145\143\157\040\104\141\164\141\040
\123\171\163\164\145\155\163\040\123\056\101\056\061\047\060\045
\006\003\125\004\013\023\036\103\145\162\164\165\155\040\103\145
\162\164\151\146\151\143\141\164\151\157\156\040\101\165\164\150
\157\162\151\164\171\061\037\060\035\006\003\125\004\003\023\026
\103\145\162\164\165\155\040\124\162\165\163\164\145\144\040\122
\157\157\164\040\103\101\060\202\002\042\060\015\006\011\052\206
\110\206\367\015\001\001\001\005\000\003\202\002\017\000\060\202
\002\012\002\202\002\001\000\321\055\216\273\267\066\352\155\067
\221\237\116\223\247\005\344\051\003\045\316\034\202\367\174\231
\237\101\006\315\355\243\272\300\333\011\054\301\174\337\051\176
\113\145\057\223\247\324\001\153\003\050\030\243\330\235\005\301
\052\330\105\361\221\336\337\073\320\200\002\214\317\070\017\352
\247\134\170\021\244\301\310\205\134\045\323\323\262\347\045\317
\021\124\227\253\065\300\036\166\034\357\000\123\237\071\334\024
\245\054\042\045\263\162\162\374\215\263\345\076\010\036\024\052
\067\013\210\074\312\260\364\310\302\241\256\274\301\276\051\147
\125\342\374\255\131\134\376\275\127\054\260\220\215\302\355\067
\266\174\231\210\265\325\003\232\075\025\015\075\072\250\250\105
\360\225\116\045\131\035\315\230\151\273\323\314\062\311\215\357
\201\376\255\175\211\273\272\140\023\312\145\225\147\240\363\031
\366\003\126\324\152\323\047\342\241\255\203\360\112\022\042\167
\034\005\163\342\031\161\102\300\354\165\106\232\220\130\340\152
\216\053\245\106\060\004\216\031\262\027\343\276\251\272\177\126
\361\044\003\327\262\041\050\166\016\066\060\114\171\325\101\232
\232\250\270\065\272\014\072\362\104\033\040\210\367\305\045\327

\075\306\343\076\103\335\207\376\304\352\365\123\076\114\145\377
\073\112\313\170\132\153\027\137\015\307\303\117\116\232\052\242
\355\127\115\042\342\106\232\077\017\221\064\044\175\125\343\214
\225\067\323\032\360\011\053\054\322\311\215\264\015\000\253\147
\051\050\330\001\365\031\004\266\035\276\166\376\162\134\304\205
\312\322\200\101\337\005\250\243\325\204\220\117\013\363\340\077
\233\031\322\067\211\077\362\173\122\034\214\366\341\367\074\007
\227\214\016\242\131\201\014\262\220\075\323\343\131\106\355\017
\251\247\336\200\153\132\252\007\266\031\313\274\127\363\227\041
\172\014\261\053\164\076\353\332\247\147\055\114\304\230\236\066
\011\166\146\146\374\032\077\352\110\124\034\276\060\275\200\120
\277\174\265\316\000\366\014\141\331\347\044\003\340\343\001\201
\016\275\330\205\064\210\275\262\066\250\173\134\010\345\104\200
\214\157\370\057\325\041\312\035\034\320\373\304\265\207\321\072
\116\307\166\265\065\110\265\002\003\001\000\001\243\102\060\100
\060\017\006\003\125\035\023\001\001\377\004\005\060\003\001\001
\377\060\035\006\003\125\035\016\004\026\004\024\214\373\034\165
\274\002\323\237\116\056\110\331\371\140\124\252\304\263\117\372
\060\016\006\003\125\035\017\001\001\377\004\004\003\002\001\006
\060\015\006\011\052\206\110\206\367\015\001\001\015\005\000\003
\202\002\001\000\110\242\325\000\013\056\320\077\274\034\325\265
\124\111\036\132\153\364\344\362\340\100\067\340\314\024\173\271
\311\372\065\265\165\027\223\152\005\151\205\234\315\117\031\170
\133\031\201\363\143\076\303\316\133\217\365\057\136\001\166\023
\077\054\000\271\315\226\122\071\111\155\004\116\305\351\017\206
\015\341\372\263\137\202\022\361\072\316\146\006\044\064\053\350
\314\312\347\151\334\207\235\302\064\327\171\321\323\167\270\252
\131\130\376\235\046\372\070\206\076\235\212\207\144\127\345\027
\072\342\371\215\271\343\063\170\301\220\330\270\335\267\203\121
\344\304\314\043\325\006\174\346\121\323\315\064\061\300\366\106
\273\013\255\374\075\020\005\052\073\112\221\045\356\214\324\204
\207\200\052\274\011\214\252\072\023\137\350\064\171\120\301\020
\031\371\323\050\036\324\321\121\060\051\263\256\220\147\326\037
\012\143\261\305\251\306\102\061\143\027\224\357\151\313\057\372
\214\024\175\304\103\030\211\331\360\062\100\346\200\342\106\137
\345\343\301\000\131\250\371\350\040\274\211\054\016\107\064\013
\352\127\302\123\066\374\247\324\257\061\315\376\002\345\165\372
\271\047\011\371\363\365\073\312\175\237\251\042\313\210\311\252
\321\107\075\066\167\250\131\144\153\047\317\357\047\301\343\044
\265\206\367\256\176\062\115\260\171\150\321\071\350\220\130\303
\203\274\017\054\326\227\353\316\014\341\040\307\332\267\076\303
\077\277\057\334\064\244\373\053\041\315\147\217\113\364\343\352
\324\077\347\117\272\271\245\223\105\034\146\037\041\372\144\136
\157\340\166\224\062\313\165\365\156\345\366\217\307\270\244\314
\250\226\175\144\373\044\132\112\003\154\153\070\306\350\003\103
\232\367\127\271\263\051\151\223\070\364\003\362\273\373\202\153
\007\040\321\122\037\232\144\002\173\230\146\333\134\115\132\017
\320\204\225\240\074\024\103\006\312\312\333\270\101\066\332\152


```
\104\147\207\257\257\343\105\021\025\151\010\262\276\026\071\227
\044\157\022\105\321\147\135\011\250\311\025\332\372\322\246\137
\023\141\037\277\205\254\264\255\255\005\224\010\203\036\165\027
\323\161\073\223\120\043\131\240\355\074\221\124\235\166\000\305
\303\270\070\333
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

Trust for "Certum Trusted Root CA"

Issuer: CN=Certum

Trusted Root CA,OU=Certum Certification Authority,O=Asseco Data Systems S.A.,C=PL

Serial Number: 1e:bf:59:50:b8:c9:80:37:4c:06:f7:eb:55:4f:b5:ed

Subject: CN=Certum Trusted Root CA,OU=Certum Certification Authority,O=Asseco Data Systems S.A.,C=PL

Not Valid Before: Fri Mar 16 12:10:13 2018

Not Valid After : Mon Mar 16 12:10:13 2043

Fingerprint (SHA-256):

FE:76:96:57:38:55:77:3E:37:A9:5E:7A:D4:D9:CC:96:C3:01:57:C1:5D:31:76:5B:A9:B1:57:04:E1:AE:78:FD

Fingerprint (SHA1): C8:83:44:C0:18:AE:9F:CC:F1:87:B7:8F:22:D1:C5:D7:45:84:BA:E5

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "Certum Trusted Root CA"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\310\203\104\300\030\256\237\314\361\207\267\217\042\321\305\327
\105\204\272\345
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\121\341\302\347\376\114\204\257\131\016\057\364\124\157\352\051
```

END

CKA_ISSUER MULTILINE_OCTAL

```
\060\172\061\013\060\011\006\003\125\004\006\023\002\120\114\061
\041\060\037\006\003\125\004\012\023\030\101\163\163\145\143\157
\040\104\141\164\141\040\123\171\163\164\145\155\163\040\123\056
\101\056\061\047\060\045\006\003\125\004\013\023\036\103\145\162
\164\165\155\040\103\145\162\164\151\146\151\143\141\164\151\157
\156\040\101\165\164\150\157\162\151\164\171\061\037\060\035\006
\003\125\004\003\023\026\103\145\162\164\165\155\040\124\162\165
\163\164\145\144\040\122\157\157\164\040\103\101
```

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

```
\002\020\036\277\131\120\270\311\200\067\114\006\367\353\125\117
\265\355
```

END

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#

Certificate "TunTrust Root CA"

#

Issuer: CN=TunTrust Root CA,O=Agence Nationale de Certification Electronique,C=TN

Serial Number:13:02:d5:e2:40:4c:92:46:86:16:67:5d:b4:bb:bb:b2:6b:3e:fc:13

#

Subject: CN=TunTrust Root CA,O=Agence Nationale de Certification Electronique,C=TN

Not Valid Before: Fri Apr 26 08:57:56 2019

Not Valid After : Tue Apr 26 08:57:56 2044

Fingerprint (SHA-256):

2E:44:10:2A:B5:8C:B8:54:19:45:1C:8E:19:D9:AC:F3:66:2C:AF:BC:61:4B:6A:53:96:0A:30:F7:D0:E2:EB:41

Fingerprint (SHA1): CF:E9:70:84:0F:E0:73:0F:9D:F6:0C:7F:2C:4B:EE:20:46:34:9C:BB

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "TunTrust Root CA"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL

\060\141\061\013\060\011\006\003\125\004\006\023\002\124\116\061
\067\060\065\006\003\125\004\012\014\056\101\147\145\156\143\145
\040\116\141\164\151\157\156\141\154\145\040\144\145\040\103\145
\162\164\151\146\151\143\141\164\151\157\156\040\105\154\145\143
\164\162\157\156\151\161\165\145\061\031\060\027\006\003\125\004
\003\014\020\124\165\156\124\162\165\163\164\040\122\157\157\164
\040\103\101

END

CKA_ID

UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

\060\141\061\013\060\011\006\003\125\004\006\023\002\124\116\061
\067\060\065\006\003\125\004\012\014\056\101\147\145\156\143\145
\040\116\141\164\151\157\156\141\154\145\040\144\145\040\103\145
\162\164\151\146\151\143\141\164\151\157\156\040\105\154\145\143
\164\162\157\156\151\161\165\145\061\031\060\027\006\003\125\004
\003\014\020\124\165\156\124\162\165\163\164\040\122\157\157\164
\040\103\101

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\002\024\023\002\325\342\100\114\222\106\206\026\147\135\264\273
\273\262\153\076\374\023

END

CKA_VALUE MULTILINE_OCTAL

\060\202\005\263\060\202\003\233\240\003\002\001\002\002\024\023
\002\325\342\100\114\222\106\206\026\147\135\264\273\273\262\153
\076\374\023\060\015\006\011\052\206\110\206\367\015\001\001\013
\005\000\060\141\061\013\060\011\006\003\125\004\006\023\002\124
\116\061\067\060\065\006\003\125\004\012\014\056\101\147\145\156
\143\145\040\116\141\164\151\157\156\141\154\145\040\144\145\040
\103\145\162\164\151\146\151\143\141\164\151\157\156\040\105\154
\145\143\164\162\157\156\151\161\165\145\061\031\060\027\006\003
\125\004\003\014\020\124\165\156\124\162\165\163\164\040\122\157
\157\164\040\103\101\060\036\027\015\061\071\060\064\062\066\060
\070\065\067\065\066\132\027\015\064\064\060\064\062\066\060\070
\065\067\065\066\132\060\141\061\013\060\011\006\003\125\004\006
\023\002\124\116\061\067\060\065\006\003\125\004\012\014\056\101
\147\145\156\143\145\040\116\141\164\151\157\156\141\154\145\040
\144\145\040\103\145\162\164\151\146\151\143\141\164\151\157\156
\040\105\154\145\143\164\162\157\156\151\161\165\145\061\031\060
\027\006\003\125\004\003\014\020\124\165\156\124\162\165\163\164
\040\122\157\157\164\040\103\101\060\202\002\042\060\015\006\011
\052\206\110\206\367\015\001\001\001\005\000\003\202\002\017\000
\060\202\002\012\002\202\002\001\000\303\315\323\374\275\004\123
\335\014\040\072\325\210\056\005\113\101\365\203\202\176\367\131
\237\236\236\143\350\163\332\366\006\251\117\037\264\371\013\037
\071\214\232\040\320\176\006\324\354\064\331\206\274\165\133\207
\210\360\322\331\324\243\012\262\154\033\353\111\054\076\254\135
\330\224\003\240\354\064\345\060\304\065\175\373\046\115\033\156
\060\124\330\365\200\105\234\071\255\234\311\045\004\115\232\220
\076\116\100\156\212\153\315\051\147\306\314\055\340\164\350\005
\127\012\110\120\372\172\103\332\176\354\133\232\016\142\166\376
\352\235\035\205\162\354\021\273\065\350\037\047\277\301\241\307
\273\110\026\335\126\327\314\116\240\341\271\254\333\325\203\031
\032\205\321\224\227\327\312\243\145\013\363\070\371\002\256\335
\366\147\317\311\077\365\212\054\107\032\231\157\005\015\375\320
\035\202\061\374\051\314\000\130\227\221\114\200\000\034\063\205
\226\057\313\101\302\213\020\204\303\011\044\211\037\265\017\331
\331\167\107\030\222\224\140\134\307\231\003\074\376\367\225\247
\175\120\241\200\302\251\203\255\130\226\125\041\333\206\131\324
\257\306\274\335\201\156\007\333\140\142\376\354\020\156\332\150
\001\364\203\033\251\076\242\133\043\327\144\306\337\334\242\175
\330\113\272\202\322\121\370\146\277\006\106\344\171\052\046\066
\171\217\037\116\231\035\262\217\014\016\034\377\311\135\300\375
\220\020\246\261\067\363\315\072\044\156\264\205\220\277\200\271
\014\214\325\233\326\310\361\126\077\032\200\211\172\251\342\033
\062\121\054\076\362\337\173\366\135\172\051\031\216\345\310\275
\066\161\213\135\114\302\035\077\255\130\242\317\075\160\115\246
\120\230\045\334\043\371\270\130\101\010\161\277\117\270\204\240
\217\000\124\025\374\221\155\130\247\226\073\353\113\226\047\315
\153\242\241\206\254\015\174\124\346\146\114\146\137\220\276\041
\232\002\106\055\344\203\302\200\271\317\113\076\350\177\074\001

\354\217\136\315\177\322\050\102\001\225\212\342\227\075\020\041
\175\366\235\034\305\064\241\354\054\016\012\122\054\022\125\160
\044\075\313\302\024\065\103\135\047\116\276\300\275\252\174\226
\347\374\236\141\255\104\323\000\227\002\003\001\000\001\243\143
\060\141\060\035\006\003\125\035\016\004\026\004\024\006\232\233
\037\123\175\361\365\244\310\323\206\076\241\163\131\264\367\104
\041\060\017\006\003\125\035\023\001\001\377\004\005\060\003\001
\001\377\060\037\006\003\125\035\043\004\030\060\026\200\024\006
\232\233\037\123\175\361\365\244\310\323\206\076\241\163\131\264
\367\104\041\060\016\006\003\125\035\017\001\001\377\004\004\003
\002\001\006\060\015\006\011\052\206\110\206\367\015\001\001\013
\005\000\003\202\002\001\000\252\005\156\266\335\025\311\277\263
\306\040\366\006\107\260\206\223\045\323\215\271\310\000\077\227
\365\122\047\210\161\311\164\375\353\312\144\333\133\357\036\135
\272\277\321\353\356\134\151\272\026\310\363\271\217\323\066\056
\100\111\007\015\131\336\213\020\260\111\005\342\377\221\077\113
\267\335\002\216\370\201\050\134\314\334\155\257\137\024\234\175
\130\170\015\366\200\011\271\351\016\227\051\031\270\267\353\370
\026\313\125\022\344\306\175\273\304\354\370\265\034\116\076\147
\277\305\137\033\155\155\107\050\252\004\130\141\326\166\277\042
\177\320\007\152\247\144\123\360\227\215\235\200\077\273\301\007
\333\145\257\346\233\062\232\303\124\223\304\034\010\303\104\373
\173\143\021\103\321\152\032\141\152\171\155\220\117\051\216\107
\005\301\022\151\151\326\306\066\061\341\374\372\200\272\134\117
\304\353\267\062\254\370\165\141\027\327\020\031\271\361\322\011
\357\172\102\235\133\132\013\324\306\225\116\052\316\377\007\327
\117\176\030\006\210\361\031\265\331\230\273\256\161\304\034\347
\164\131\130\357\014\211\317\213\037\165\223\032\004\024\222\110
\120\251\353\127\051\000\026\343\066\034\310\370\277\360\063\325
\101\017\304\314\074\335\351\063\103\001\221\020\053\036\321\271
\135\315\062\031\213\217\214\040\167\327\042\304\102\334\204\026
\233\045\155\350\264\125\161\177\260\174\263\323\161\111\271\317
\122\244\004\077\334\075\240\273\257\063\236\012\060\140\216\333
\235\135\224\250\275\140\347\142\200\166\201\203\014\214\314\060
\106\111\342\014\322\250\257\353\141\161\357\347\042\142\251\367
\134\144\154\237\026\214\147\066\047\105\365\011\173\277\366\020
\012\361\260\215\124\103\214\004\272\243\077\357\342\065\307\371
\164\340\157\064\101\320\277\163\145\127\040\371\233\147\172\146
\150\044\116\200\145\275\020\231\006\131\362\145\257\270\306\107
\273\375\220\170\213\101\163\056\257\125\037\334\073\222\162\156
\204\323\320\141\114\015\314\166\127\342\055\205\042\025\066\015
\353\001\235\353\330\353\304\204\231\373\300\014\314\062\350\343
\167\332\203\104\213\236\125\050\300\213\130\323\220\076\116\033
\000\361\025\255\203\053\232

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "TunTrust Root CA"

Issuer: CN=TunTrust Root CA,O=Agence Nationale de Certification Electronique,C=TN

Serial Number:13:02:d5:e2:40:4c:92:46:86:16:67:5d:b4:bb:bb:b2:6b:3e:fc:13

Subject: CN=TunTrust Root CA,O=Agence Nationale de Certification Electronique,C=TN

#

Not Valid Before: Fri Apr 26 08:57:56 2019

Not Valid After : Tue Apr 26 08:57:56 2044

Fingerprint (SHA-256):

2E:44:10:2A:B5:8C:B8:54:19:45:1C:8E:19:D9:AC:F3:66:2C:AF:BC:61:4B:6A:53:96:0A:30:F7:D0:E2:EB:41

Fingerprint (SHA1): CF:E9:70:84:0F:E0:73:0F:9D:F6:0C:7F:2C:4B:EE:20:46:34:9C:BB

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "TunTrust Root CA"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

\317\351\160\204\017\340\163\017\235\366\014\177\054\113\356\040

\106\064\234\273

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

\205\023\271\220\133\066\134\266\136\270\132\370\340\061\127\264

END

CKA_ISSUER MULTILINE_OCTAL

\060\141\061\013\060\011\006\003\125\004\006\023\002\124\116\061

\067\060\065\006\003\125\004\012\014\056\101\147\145\156\143\145

\040\116\141\164\151\157\156\141\154\145\040\144\145\040\103\145

\162\164\151\146\151\143\141\164\151\157\156\040\105\154\145\143

\164\162\157\156\151\161\165\145\061\031\060\027\006\003\125\004

\003\014\020\124\165\156\124\162\165\163\164\040\122\157\157\164

\040\103\101

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

\002\024\023\002\325\342\100\114\222\106\206\026\147\135\264\273

\273\262\153\076\374\023

END

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#

Certificate "HARICA TLS RSA Root CA 2021"

#

Issuer: CN=HARICA TLS RSA Root CA 2021,O=Hellenic Academic and Research Institutions CA,C=GR

Serial Number:39:ca:93:1c:ef:43:f3:c6:8e:93:c7:f4:64:89:38:7e

```
# Subject: CN=HARICA TLS RSA Root CA 2021,O=Hellenic Academic and Research Institutions CA,C=GR
# Not Valid Before: Fri Feb 19 10:55:38 2021
# Not Valid After : Mon Feb 13 10:55:37 2045
# Fingerprint (SHA-256):
D9:5D:0E:8E:DA:79:52:5B:F9:BE:B1:1B:14:D2:10:0D:32:94:98:5F:0C:62:D9:FA:BD:9C:D9:99:EC:CB:7B:1D
# Fingerprint
(SHA1): 02:2D:05:82:FA:88:CE:14:0C:06:79:DE:7F:14:10:E9:45:D7:A5:6D
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "HARICA TLS RSA Root CA 2021"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\154\061\013\060\011\006\003\125\004\006\023\002\107\122\061
\067\060\065\006\003\125\004\012\014\056\110\145\154\154\145\156
\151\143\040\101\143\141\144\145\155\151\143\040\141\156\144\040
\122\145\163\145\141\162\143\150\040\111\156\163\164\151\164\165
\164\151\157\156\163\040\103\101\061\044\060\042\006\003\125\004
\003\014\033\110\101\122\111\103\101\040\124\114\123\040\122\123
\101\040\122\157\157\164\040\103\101\040\062\060\062\061
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\154\061\013\060\011\006\003\125\004\006\023\002\107\122\061
\067\060\065\006\003\125\004\012\014\056\110\145\154\154\145\156
\151\143\040\101\143\141\144\145\155\151\143\040\141\156\144\040
\122\145\163\145\141\162\143\150\040\111\156\163\164\151\164\165
\164\151\157\156\163\040\103\101\061\044\060\042\006\003\125\004
\003\014\033\110\101\122\111\103\101\040\124\114\123\040\122\123
\101\040\122\157\157\164\040\103\101\040\062\060\062\061
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\020\071\312\223\034\357\103\363\306\216\223\307\364\144\211
\070\176
END
CKA_VALUE MULTILINE_OCTAL
\060\202\005\244\060\202\003\214\240\003\002\001\002\002\020\071
\312\223\034\357\103\363\306\216\223\307\364\144\211\070\176\060
\015\006\011\052\206\110\206\367\015\001\001\013\005\000\060\154
\061\013\060\011\006\003\125\004\006\023\002\107\122\061\067\060
\065\006\003\125\004\012\014\056\110\145\154\154\145\156\151\143
\040\101\143\141\144\145\155\151\143\040\141\156\144\040\122\145
\163\145\141\162\143\150\040\111\156\163\164\151\164\165\164\151
\157\156\163\040\103\101\061\044\060\042\006\003\125\004\003\014
\033\110\101\122\111\103\101\040\124\114\123\040\122\123\101\040
\122\157\157\164\040\103\101\040\062\060\062\061\060\036\027\015
```

\062\061\060\062\061\071\061\060\065\065\063\070\132\027\015\064
\065\060\062\061\063\061\060\065\065\063\067\132\060\154\061\013
\060\011\006\003\125\004\006\023\002\107\122\061\067\060\065\006
\003\125\004\012\014\056\110\145\154\154\145\156\151\143\040\101
\143\141\144\145\155\151\143\040\141\156\144\040\122\145\163\145
\141\162\143\150\040\111\156\163\164\151\164\165\164\151\157\156
\163\040\103\101\061\044\060\042\006\003\125\004\003\014\033\110
\101\122\111\103\101\040\124\114\123\040\122\123\101\040\122\157
\157\164\040\103\101\040\062\060\062\061\060\202\002\042\060\015
\006\011\052\206\110\206\367\015\001\001\001\005\000\003\202\002
\017\000\060\202\002\012\002\202\002\001\000\213\302\347\257\145
\233\005\147\226\311\015\044\271\320\016\144\374\316\342\044\030
\054\204\177\167\121\313\004\021\066\270\136\355\151\161\247\236
\344\045\011\227\147\301\107\302\317\221\026\066\142\075\070\004
\341\121\202\377\254\322\264\151\335\056\354\021\243\105\356\153
\153\073\114\277\214\215\244\036\235\021\271\351\070\371\172\016
\014\230\342\043\035\321\116\143\324\347\270\101\104\373\153\257
\153\332\037\323\305\221\210\133\244\211\222\321\201\346\214\071
\130\240\326\151\103\251\255\230\122\130\156\333\012\373\153\317
\150\372\343\244\136\072\105\163\230\007\352\137\002\162\336\014
\245\263\237\256\251\035\267\035\263\374\212\131\347\156\162\145
\255\365\060\224\043\007\363\202\026\113\065\230\234\123\273\057
\312\344\132\331\307\215\035\374\230\231\373\054\244\202\153\360
\052\037\216\013\137\161\134\134\256\102\173\051\211\201\313\003
\243\231\312\210\236\013\100\011\101\063\333\346\130\172\375\256
\231\160\300\132\017\326\023\206\161\057\166\151\374\220\335\333
\055\156\321\362\233\365\032\153\236\157\025\214\172\360\113\050
\240\042\070\200\044\154\066\244\073\362\060\221\363\170\023\317
\301\077\065\253\361\035\021\043\265\103\042\236\001\222\267\030
\002\345\021\321\202\333\025\000\314\141\067\301\052\174\232\341
\320\272\263\120\106\356\202\254\235\061\370\373\043\342\003\000
\110\160\243\011\046\171\025\123\140\363\070\134\255\070\352\201
\000\143\024\271\063\136\335\013\333\240\105\007\032\063\011\370
\115\264\247\002\246\151\364\302\131\005\210\145\205\126\256\113
\313\340\336\074\175\055\032\310\351\373\037\243\141\112\326\052
\023\255\167\114\032\030\233\221\017\130\330\006\124\305\227\370
\252\077\040\212\246\205\246\167\366\246\374\034\342\356\156\224
\063\052\203\120\204\012\345\117\206\370\120\105\170\000\201\353
\133\150\343\046\215\314\173\134\121\364\024\054\100\276\032\140
\035\172\162\141\035\037\143\055\210\252\316\242\105\220\010\374
\153\276\263\120\052\132\375\250\110\030\106\326\220\100\222\220
\012\204\136\150\061\370\353\355\015\323\035\306\175\231\030\125
\126\047\145\056\215\105\305\044\354\316\343\002\003\001\000\001
\243\102\060\100\060\017\006\003\125\035\023\001\001\377\004\005
\060\003\001\001\377\060\035\006\003\125\035\016\004\026\004\024
\012\110\043\246\140\244\222\012\063\352\223\133\305\127\352\045
\115\275\022\356\060\016\006\003\125\035\017\001\001\377\004\004
\003\002\001\206\060\015\006\011\052\206\110\206\367\015\001\001

\013\005\000\003\202\002\001\000\076\220\110\252\156\142\025\045
\146\173\014\325\214\213\211\235\327\355\116\007\357\234\320\024
\137\136\120\275\150\226\220\244\024\021\252\150\155\011\065\071
\100\011\332\364\011\054\064\245\173\131\204\111\051\227\164\310
\007\036\107\155\362\316\034\120\046\343\236\075\100\123\077\367
\177\226\166\020\305\106\245\320\040\113\120\364\065\073\030\364
\125\152\101\033\107\006\150\074\273\011\010\142\331\137\125\102
\252\254\123\205\254\225\126\066\126\253\344\005\214\305\250\332
\037\243\151\275\123\017\304\377\334\312\343\176\362\114\210\206
\107\106\032\363\000\365\200\221\242\334\103\102\224\233\040\360
\321\315\262\353\054\123\302\123\170\112\117\004\224\101\232\217
\047\062\301\345\111\031\277\361\362\302\213\250\012\071\061\050
\264\175\142\066\054\115\354\037\063\266\176\167\155\176\120\360
\237\016\327\021\217\317\030\305\343\047\376\046\357\005\235\317
\317\067\305\320\173\332\073\260\026\204\014\072\223\326\276\027
\333\017\076\016\031\170\011\307\251\002\162\042\113\367\067\166
\272\165\304\205\003\132\143\325\261\165\005\302\271\275\224\255
\214\025\231\247\223\175\366\305\363\252\164\317\004\205\224\230
\000\364\342\371\312\044\145\277\340\142\257\310\305\372\262\311
\236\126\110\332\171\375\226\166\025\276\243\216\126\304\263\064
\374\276\107\364\301\264\250\374\325\060\210\150\356\313\256\311
\143\304\166\276\254\070\030\341\136\134\317\256\072\042\121\353
\321\213\263\363\053\063\007\124\207\372\264\262\023\173\272\123
\004\142\001\235\361\300\117\356\341\072\324\213\040\020\372\002
\127\346\357\301\013\267\220\106\234\031\051\214\334\157\240\112
\151\151\224\267\044\145\240\377\254\077\316\001\373\041\056\375
\150\370\233\362\245\317\061\070\134\025\252\346\227\000\301\337
\132\245\247\071\252\351\204\177\074\121\250\072\331\224\133\214
\277\117\010\161\345\333\250\134\324\322\246\376\000\243\306\026
\307\017\350\200\316\034\050\144\164\031\010\323\102\343\316\000
\135\177\261\334\023\260\341\005\313\321\040\252\206\164\236\071
\347\221\375\377\133\326\367\255\246\057\003\013\155\343\127\124
\353\166\123\030\215\021\230\272

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

Trust for "HARICA TLS RSA Root CA 2021"

Issuer: CN=HARICA TLS RSA Root CA 2021,O=Hellenic Academic and Research Institutions CA,C=GR

Serial Number:39:ca:93:1c:ef:43:f3:c6:8e:93:c7:f4:64:89:38:7e

Subject: CN=HARICA TLS RSA Root CA 2021,O=Hellenic Academic and Research Institutions CA,C=GR

Not Valid Before: Fri Feb 19 10:55:38 2021

Not Valid After : Mon Feb 13 10:55:37 2045

Fingerprint (SHA-256):

D9:5D:0E:8E:DA:79:52:5B:F9:BE:B1:1B:14:D2:10:0D:32:94:98:5F:0C:62:D9:FA:BD:9C:D9:99:EC:CB:7B:1D

Fingerprint (SHA1): 02:2D:05:82:FA:88:CE:14:0C:06:79:DE:7F:14:10:E9:45:D7:A5:6D


```

CKA_CLASS
CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "HARICA TLS RSA Root CA 2021"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\002\055\005\202\372\210\316\024\014\006\171\336\177\024\020\351
\105\327\245\155
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\145\107\233\130\206\335\054\360\374\242\204\037\036\226\304\221
END
CKA_ISSUER MULTILINE_OCTAL
\060\154\061\013\060\011\006\003\125\004\006\023\002\107\122\061
\067\060\065\006\003\125\004\012\014\056\110\145\154\154\145\156
\151\143\040\101\143\141\144\145\155\151\143\040\141\156\144\040
\122\145\163\145\141\162\143\150\040\111\156\163\164\151\164\165
\164\151\157\156\163\040\103\101\061\044\060\042\006\003\125\004
\003\014\033\110\101\122\111\103\101\040\124\114\123\040\122\123
\101\040\122\157\157\164\040\103\101\040\062\060\062\061
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\071\312\223\034\357\103\363\306\216\223\307\364\144\211
\070\176
END
CKA_TRUST_SERVER_AUTH
CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "HARICA TLS ECC Root CA 2021"
#
# Issuer: CN=HARICA TLS ECC Root CA 2021,O=Hellenic Academic and Research Institutions CA,C=GR
# Serial Number:67:74:9d:8d:77:d8:3b:6a:db:22:f4:ff:59:e2:bf:ce
# Subject: CN=HARICA TLS ECC Root CA 2021,O=Hellenic Academic and Research Institutions CA,C=GR
# Not Valid Before: Fri Feb 19 11:01:10 2021
# Not Valid After : Mon Feb 13 11:01:09 2045
# Fingerprint (SHA-256):
3F:99:CC:47:4A:CF:CE:4D:FE:D5:87:94:66:5E:47:8D:15:47:73:9F:2E:78:0F:1B:B4:CA:9B:13:30:97:D4:01
# Fingerprint (SHA1): BC:B0:C1:9D:E9:98:92:70:19:38:57:E9:8D:A7:B4:5D:6E:EE:01:48
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "HARICA TLS ECC Root

```

CA 2021"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL

\060\154\061\013\060\011\006\003\125\004\006\023\002\107\122\061
\067\060\065\006\003\125\004\012\014\056\110\145\154\154\145\156
\151\143\040\101\143\141\144\145\155\151\143\040\141\156\144\040
\122\145\163\145\141\162\143\150\040\111\156\163\164\151\164\165
\164\151\157\156\163\040\103\101\061\044\060\042\006\003\125\004
\003\014\033\110\101\122\111\103\101\040\124\114\123\040\105\103
\103\040\122\157\157\164\040\103\101\040\062\060\062\061

END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

\060\154\061\013\060\011\006\003\125\004\006\023\002\107\122\061
\067\060\065\006\003\125\004\012\014\056\110\145\154\154\145\156
\151\143\040\101\143\141\144\145\155\151\143\040\141\156\144\040
\122\145\163\145\141\162\143\150\040\111\156\163\164\151\164\165
\164\151\157\156\163\040\103\101\061\044\060\042\006\003\125\004
\003\014\033\110\101\122\111\103\101\040\124\114\123\040\105\103
\103\040\122\157\157\164\040\103\101\040\062\060\062\061

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

\002\020\147\164\235\215\167\330\073\152\333\042\364\377\131\342
\277\316

END

CKA_VALUE MULTILINE_OCTAL

\060\202\002\124\060\202\001\333\240\003\002\001\002\002\020\147
\164\235\215\167\330\073\152\333\042\364\377\131\342\277\316\060
\012\006\010\052\206\110\316\075\004\003\003\060\154\061\013\060
\011\006\003\125\004\006\023\002\107\122\061\067\060\065\006\003
\125\004\012\014\056\110\145\154\154\145\156\151\143\040\101\143
\141\144\145\155\151\143\040\141\156\144\040\122\145\163\145\141
\162\143\150\040\111\156\163\164\151\164\165\164\151\157\156\163
\040\103\101\061\044\060\042\006\003\125\004\003\014\033\110\101
\122\111\103\101\040\124\114\123\040\105\103\103\040\122\157\157
\164\040\103\101\040\062\060\062\061\060\036\027\015\062\061\060
\062\061\071\061\061\060\061\061\060\132\027\015\064\065\060\062
\061\063\061\061\060\061\060\071\132\060\154\061\013\060\011\006
\003\125\004\006\023\002\107\122\061\067\060\065\006\003\125\004
\012\014\056\110\145\154\154\145\156\151\143\040\101\143\141\144
\145\155\151\143\040\141\156\144\040\122\145\163\145\141\162\143
\150\040\111\156\163\164\151\164\165\164\151\157\156\163\040\103
\101\061\044\060\042\006\003\125\004\003\014\033\110\101\122\111
\103\101\040\124\114\123\040\105\103\103\040\122\157\157\164\040
\103\101\040\062\060\062\061\060\166\060\020\006\007\052\206\110
\316\075\002\001\006\005\053\201\004\000\042\003\142\000\004\070
\010\376\261\240\226\322\172\254\257\111\072\320\300\340\303\073

```
\050\252\361\162\155\145\000\107\210\204\374\232\046\153\252\113
\272\154\004\012\210\136\027\362\125\207\374\060\260\064\342\064
\130\127\032\204\123\351\060\331\251\362\226\164\303\121\037\130
\111\061\314\230\116\140\021\207\165\323\162\224\220\117\233\020
\045\052\250\170\055\276\220\101\130\220\025\162\247\241\267\243
\102\060\100\060\017\006\003\125\035\023\001\001\377\004\005\060
\003\001\001\377\060\035\006\003\125\035\016\004\026\004\024\311
\033\123\201\022\376\004\325\026\321\252\274\232\157\267\240\225
\031\156\312\060\016\006\003\125\035\017\001\001\377\004\004\003
\002\001\206\060\012\006\010\052\206\110\316\075\004\003\003\003
\147\000\060\144\002\060\021\336\256\370\334\116\210\260\251\360
\042\255\302\121\100\357\140\161\055\356\217\002\304\135\003\160
\111\244\222\352\305\024\210\160\246\323\015\260\252\312\054\100
\234\373\351\202\156\232\002\060\053\107\232\007\306\321\302\201
\174\312\013\226\030\101\033\243\364\060\011\236\265\043\050\015
\237\024\266\074\123\242\114\006\151\175\372\154\221\306\052\111
\105\346\354\267\023\341\072\154
```

END

CKA_NSS_Mozilla_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "HARICA TLS ECC Root CA 2021"

Issuer: CN=HARICA TLS ECC Root CA 2021,O=Hellenic Academic and Research Institutions CA,C=GR

Serial Number:67:74:9d:8d:77:d8:3b:6a:db:22:f4:ff:59:e2:bf:ce

Subject: CN=HARICA TLS ECC Root CA 2021,O=Hellenic

Academic and Research Institutions CA,C=GR

Not Valid Before: Fri Feb 19 11:01:10 2021

Not Valid After : Mon Feb 13 11:01:09 2045

Fingerprint (SHA-256):

3F:99:CC:47:4A:CF:CE:4D:FE:D5:87:94:66:5E:47:8D:15:47:73:9F:2E:78:0F:1B:B4:CA:9B:13:30:97:D4:01

Fingerprint (SHA1): BC:B0:C1:9D:E9:98:92:70:19:38:57:E9:8D:A7:B4:5D:6E:EE:01:48

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "HARICA TLS ECC Root CA 2021"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\274\260\301\235\351\230\222\160\031\070\127\351\215\247\264\135
\156\356\001\110
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\256\367\114\345\146\065\321\267\233\214\042\223\164\323\113\260
```

END

CKA_ISSUER MULTILINE_OCTAL

```
\060\154\061\013\060\011\006\003\125\004\006\023\002\107\122\061
\067\060\065\006\003\125\004\012\014\056\110\145\154\154\145\156
```

```
\151\143\040\101\143\141\144\145\155\151\143\040\141\156\144\040
\122\145\163\145\141\162\143\150\040\111\156\163\164\151\164\165
\164\151\157\156\163\040\103\101\061\044\060\042\006\003\125\004
\003\014\033\110\101\122\111\103\101\040\124\114\123\040\105\103
\103\040\122\157\157\164\040\103\101\040\062\060\062\061
```

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

```
\002\020\147\164\235\215\167\330\073\152\333\042\364\377\131\342
\277\316
```

END

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#

Certificate "HARICA Client RSA Root CA 2021"

#

Issuer: CN=HARICA Client RSA Root CA 2021,O=Hellenic Academic and Research Institutions CA,C=GR

Serial Number:55:52:f8:1e:db:1b:24:2c:9e:bb:96:18:cd:02:28:3e

Subject: CN=HARICA Client RSA Root CA 2021,O=Hellenic Academic and Research Institutions CA,C=GR

Not Valid Before: Fri Feb 19 10:58:46 2021

Not Valid After : Mon Feb 13 10:58:45 2045

Fingerprint (SHA-256):

1B:E7:AB:E3:06:86:B1:63:48:AF:D1:C6:1B:68:66:A0:EA:7F:48:21:E6:7D:5E:8A:F9:37:CF:80:11:BC:75:0D

#

Fingerprint (SHA1): 46:C6:90:0A:77:3A:B6:BC:F4:65:AD:AC:FC:E3:F7:07:00:6E:DE:6E

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "HARICA Client RSA Root CA 2021"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL

```
\060\157\061\013\060\011\006\003\125\004\006\023\002\107\122\061
\067\060\065\006\003\125\004\012\014\056\110\145\154\154\145\156
\151\143\040\101\143\141\144\145\155\151\143\040\141\156\144\040
\122\145\163\145\141\162\143\150\040\111\156\163\164\151\164\165
\164\151\157\156\163\040\103\101\061\047\060\045\006\003\125\004
\003\014\036\110\101\122\111\103\101\040\103\154\151\145\156\164
\040\122\123\101\040\122\157\157\164\040\103\101\040\062\060\062
\061
```

END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

```
\060\157\061\013\060\011\006\003\125\004\006\023\002\107\122\061
\067\060\065\006\003\125\004\012\014\056\110\145\154\154\145\156
```

\151\143\040\101\143\141\144\145\155\151\143\040\141\156\144\040
\122\145\163\145\141\162\143\150\040\111\156\163\164\151\164\165
\164\151\157\156\163\040\103\101\061\047\060\045\006\003\125\004
\003\014\036\110\101\122\111\103\101\040\103\154\151\145\156\164
\040\122\123\101\040\122\157\157\164\040\103\101\040\062\060\062
\061

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

\002\020\125\122\370\036\333\033\044\054\236\273\226\030\315\002
\050\076

END

CKA_VALUE MULTILINE_OCTAL

\060\202\005\252\060\202\003\222\240\003\002\001\002\002\020\125
\122\370\036\333\033\044\054\236\273\226\030\315\002\050\076\060
\015\006\011\052\206\110\206\367\015\001\001\013\005\000\060\157
\061\013\060\011\006\003\125\004\006\023\002\107\122\061\067\060
\065\006\003\125\004\012\014\056\110\145\154\154\145\156\151\143
\040\101\143\141\144\145\155\151\143\040\141\156\144\040\122\145
\163\145\141\162\143\150\040\111\156\163\164\151\164\165\164\151
\157\156\163\040\103\101\061\047\060\045\006\003\125\004\003\014
\036\110\101\122\111\103\101\040\103\154\151\145\156\164\040\122
\123\101\040\122\157\157\164\040\103\101\040\062\060\062\061\060
\036\027\015\062\061\060\062\061\071\061\060\065\070\064\066\132
\027\015\064\065\060\062\061\063\061\060\065\070\064\065\132\060
\157\061\013\060\011\006\003\125\004\006\023\002\107\122\061\067
\060\065\006\003\125\004\012\014\056\110\145\154\154\145\156\151
\143\040\101\143\141\144\145\155\151\143\040\141\156\144\040\122
\145\163\145\141\162\143\150\040\111\156\163\164\151\164\165\164
\151\157\156\163\040\103\101\061\047\060\045\006\003\125\004\003
\014\036\110\101\122\111\103\101\040\103\154\151\145\156\164\040
\122\123\101\040\122\157\157\164\040\103\101\040\062\060\062\061
\060\202\002\042\060\015\006\011\052\206\110\206\367\015\001\001
\001\005\000\003\202\002\017\000\060\202\002\012\002\202\002\001
\000\201\333\127\102\220\054\164\065\364\370\270\164\031\115\253
\011\132\167\105\201\163\142\260\065\237\370\320\267\063\000\207
\023\266\226\253\016\124\022\060\007\274\233\267\110\327\321\031
\203\256\216\330\251\361\251\000\204\260\214\136\236\350\014\217
\124\151\277\366\324\010\117\046\160\376\030\101\143\032\263\062
\213\100\370\007\253\127\061\360\306\026\166\147\232\264\335\057
\362\321\153\305\320\222\204\221\161\156\017\056\143\351\037\123
\244\335\122\023\314\011\203\051\201\014\305\123\165\104\261\016
\147\123\030\320\303\037\210\113\237\224\044\264\051\274\273\350
\116\375\157\322\025\035\111\334\215\160\362\021\032\040\121\125
\021\272\210\157\304\367\120\171\326\252\061\342\204\075\136\062
\310\167\052\120\161\345\013\057\351\266\352\357\253\012\063\071
\016\375\217\245\147\103\202\216\230\151\011\011\033\100\315\070
\147\107\352\311\354\227\161\022\336\044\365\162\074\321\367\103

\114\046\367\220\262\211\351\105\113\125\075\061\005\172\101\342
\225\272\103\300\027\305\266\205\075\031\215\144\160\363\133\254
\315\237\323\051\165\207\113\225\147\152\246\370\321\335\274\220
\206\211\103\051\251\067\133\365\135\260\046\132\123\102\166\220
\053\317\236\126\154\053\124\317\134\232\145\337\133\213\110\140
\070\174\373\305\013\317\166\004\143\002\063\052\175\365\203\147
\347\372\306\103\375\053\017\324\046\057\167\244\062\301\044\352
\144\235\277\263\070\161\061\104\362\107\270\242\146\101\241\373
\233\173\274\307\106\152\165\277\132\242\214\350\152\104\301\270
\226\265\300\062\010\055\173\164\065\163\262\312\306\376\257\021
\162\030\366\347\310\302\317\245\052\352\173\326\131\350\174\240
\262\152\100\011\151\016\245\226\333\321\000\271\361\210\156\066
\360\210\262\235\361\122\362\303\174\277\060\211\074\012\151\371
\042\244\145\341\233\340\164\306\261\205\227\226\054\256\224\217
\120\246\071\022\037\276\107\362\201\170\323\165\066\236\175\132
\040\227\342\122\256\231\237\306\174\233\146\363\376\330\317\356
\275\227\006\035\055\205\334\076\066\123\226\173\040\272\350\310
\341\255\226\142\076\021\174\263\000\204\236\247\114\161\253\112
\067\002\003\001\000\001\243\102\060\100\060\017\006\003\125\035
\023\001\001\377\004\005\060\003\001\001\377\060\035\006\003\125
\035\016\004\026\004\024\240\326\007\075\136\044\367\173\240\104
\056\044\122\015\031\252\053\004\221\247\060\016\006\003\125\035
\017\001\001\377\004\004\003\002\001\206\060\015\006\011\052\206
\110\206\367\015\001\001\013\005\000\003\202\002\001\000\015\107
\371\011\146\061\122\354\171\356\302\250\362\150\076\355\226\105
\313\072\246\230\143\077\352\053\115\116\003\320\034\202\341\313
\323\345\326\253\133\147\050\274\235\376\014\231\012\200\125\247
\316\033\043\141\015\260\127\360\376\340\312\276\346\220\333\203
\054\276\203\216\364\171\266\376\320\015\102\247\130\037\151\352
\201\365\005\245\376\106\150\353\154\170\311\340\352\347\346\336
\061\305\322\325\054\202\143\050\235\135\250\032\176\210\346\347
\053\361\054\325\320\005\236\334\055\275\067\146\324\004\242\247
\255\277\072\302\250\073\255\377\215\235\063\340\271\232\204\241
\207\037\166\364\202\164\327\016\371\060\110\076\133\210\076\252
\134\153\326\057\014\350\216\163\302\030\221\203\071\266\146\132
\320\037\140\047\135\115\343\366\072\015\146\120\234\170\173\253
\363\023\020\256\017\057\253\350\144\263\030\040\235\106\065\144
\045\163\352\233\020\134\130\065\211\261\106\110\247\364\254\324
\035\236\133\314\251\245\032\023\117\044\120\252\331\033\155\261
\100\373\235\335\130\164\304\302\157\024\162\354\333\065\237\270
\124\165\105\303\246\310\032\050\065\072\256\145\362\251\230\316
\257\133\311\070\214\061\073\177\314\334\226\375\342\133\326\320
\131\364\166\272\013\313\117\203\020\307\100\320\035\140\351\052
\345\110\130\167\014\105\151\276\031\161\004\044\342\343\044\037
\112\310\301\076\231\365\226\230\070\110\045\241\025\260\033\327
\342\204\030\133\366\161\065\232\150\173\100\314\030\134\014\044
\235\324\225\365\231\252\106\352\256\254\277\364\024\031\044\350
\214\354\343\365\274\006\150\212\052\014\005\137\012\227\165\247

```
\334\176\300\375\327\172\030\337\060\321\070\113\037\260\230\160
\277\314\174\163\360\156\304\061\245\244\227\035\254\277\316\154
\041\112\276\047\043\147\363\006\126\201\012\221\216\266\341\003
\005\063\054\332\064\010\115\116\120\043\255\037\245\305\324\172
\376\352\011\354\247\050\140\213\106\174\265\352\233\335\117\371
\347\153\025\306\210\317\103\333\345\047\334\004\126\156\157\106
\025\361\126\055\350\134\014\163\303\043\201\070\040\313\311\014
\151\317\054\253\073\204\140\063\031\122\375\151\024\063
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "HARICA Client RSA Root CA 2021"

Issuer: CN=HARICA Client RSA Root CA 2021,O=Hellenic Academic and Research Institutions CA,C=GR

Serial Number:55:52:f8:1e:db:1b:24:2c:9e:bb:96:18:cd:02:28:3e

Subject: CN=HARICA Client RSA Root CA 2021,O=Hellenic Academic and Research Institutions CA,C=GR

Not Valid Before: Fri Feb 19 10:58:46 2021

Not Valid After : Mon Feb 13 10:58:45 2045

Fingerprint (SHA-256):

1B:E7:AB:E3:06:86:B1:63:48:AF:D1:C6:1B:68:66:A0:EA:7F:48:21:E6:7D:5E:8A:F9:37:CF:80:11:BC:75:0D

#

Fingerprint (SHA1): 46:C6:90:0A:77:3A:B6:BC:F4:65:AD:AC:FC:E3:F7:07:00:6E:DE:6E

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "HARICA Client RSA Root CA 2021"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\106\306\220\012\167\072\266\274\364\145\255\254\374\343\367\007
\000\156\336\156
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\157\355\134\327\210\314\070\251\334\351\335\331\135\333\330\355
```

END

CKA_ISSUER MULTILINE_OCTAL

```
\060\157\061\013\060\011\006\003\125\004\006\023\002\107\122\061
\067\060\065\006\003\125\004\012\014\056\110\145\154\154\145\156
\151\143\040\101\143\141\144\145\155\151\143\040\141\156\144\040
\122\145\163\145\141\162\143\150\040\111\156\163\164\151\164\165
\164\151\157\156\163\040\103\101\061\047\060\045\006\003\125\004
\003\014\036\110\101\122\111\103\101\040\103\154\151\145\156\164
\040\122\123\101\040\122\157\157\164\040\103\101\040\062\060\062
\061
```

END

CKA_SERIAL_NUMBER

```
MULTILINE_OCTAL
\002\020\125\122\370\036\333\033\044\054\236\273\226\030\315\002
\050\076
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "HARICA Client ECC Root CA 2021"
#
# Issuer: CN=HARICA Client ECC Root CA 2021,O=Hellenic Academic and Research Institutions CA,C=GR
# Serial Number:31:68:d9:d8:e1:62:57:1e:d2:19:44:88:e6:10:7d:f0
# Subject: CN=HARICA Client ECC Root CA 2021,O=Hellenic Academic and Research Institutions CA,C=GR
# Not Valid Before: Fri Feb 19 11:03:34 2021
# Not Valid After : Mon Feb 13 11:03:33 2045
# Fingerprint (SHA-256):
8D:D4:B5:37:3C:B0:DE:36:76:9C:12:33:92:80:D8:27:46:B3:AA:6C:D4:26:E7:97:A3:1B:AB:E4:27:9C:F0:0B
# Fingerprint (SHA1): BE:64:D3:DA:14:4B:D2:6B:CD:AF:8F:DB:A6:A6:72:F8:DE:26:F9:00
CKA_CLASS
CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "HARICA Client ECC Root CA 2021"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\157\061\013\060\011\006\003\125\004\006\023\002\107\122\061
\067\060\065\006\003\125\004\012\014\056\110\145\154\154\145\156
\151\143\040\101\143\141\144\145\155\151\143\040\141\156\144\040
\122\145\163\145\141\162\143\150\040\111\156\163\164\151\164\165
\164\151\157\156\163\040\103\101\061\047\060\045\006\003\125\004
\003\014\036\110\101\122\111\103\101\040\103\154\151\145\156\164
\040\105\103\103\040\122\157\157\164\040\103\101\040\062\060\062
\061
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\157\061\013\060\011\006\003\125\004\006\023\002\107\122\061
\067\060\065\006\003\125\004\012\014\056\110\145\154\154\145\156
\151\143\040\101\143\141\144\145\155\151\143\040\141\156\144\040
\122\145\163\145\141\162\143\150\040\111\156\163\164\151\164\165
\164\151\157\156\163\040\103\101\061\047\060\045\006\003\125\004
\003\014\036\110\101\122\111\103\101\040\103\154\151\145\156\164
\040\105\103\103\040\122\157\157\164\040\103\101\040\062\060\062
\061
END
```



```
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\020\061\150\331\330\341\142\127\036\322\031\104\210\346\020
\175\360
```

```
END
```

```
CKA_VALUE MULTILINE_OCTAL
\060\202\002\132\060\202\001\341\240\003\002\001\002\002\020\061
\150\331\330\341\142\127\036\322\031\104\210\346\020\175\360\060
\012\006\010\052\206\110\316\075\004\003\003\060\157\061\013\060
\011\006\003\125\004\006\023\002\107\122\061\067\060\065\006\003
\125\004\012\014\056\110\145\154\154\145\156\151\143\040\101\143
\141\144\145\155\151\143\040\141\156\144\040\122\145\163\145\141
\162\143\150\040\111\156\163\164\151\164\165\164\151\157\156\163
\040\103\101\061\047\060\045\006\003\125\004\003\014\036\110\101
\122\111\103\101\040\103\154\151\145\156\164\040\105\103\103\040
\122\157\157\164\040\103\101\040\062\060\062\061\060\036\027\015
\062\061\060\062\061\071\061\061\060\063\063\064\132\027\015\064
\065\060\062\061\063\061\061\060\063\063\063\132\060\157\061\013
\060\011\006\003\125\004\006\023\002\107\122\061\067\060\065\006
\003\125\004\012\014\056\110\145\154\154\145\156\151\143\040\101
\143\141\144\145\155\151\143\040\141\156\144\040\122\145\163\145
\141\162\143\150\040\111\156\163\164\151\164\165\164\151\157\156
\163\040\103\101\061\047\060\045\006\003\125\004\003\014\036\110
\101\122\111\103\101\040\103\154\151\145\156\164\040\105\103\103
\040\122\157\157\164\040\103\101\040\062\060\062\061\060\166\060
\020\006\007\052\206\110\316\075\002\001\006\005\053\201\004\000
\042\003\142\000\004\007\030\255\225\226\224\320\134\017\202\367
\052\100\372\002\311\311\075\066\246\243\004\152\301\155\225\001
\210\140\022\124\154\134\242\053\156\023\072\210\225\014\034\046
\206\066\112\211\031\267\030\336\073\350\250\120\037\312\337\133
\277\111\200\025\333\343\060\341\035\132\307\052\212\001\007\376
\155\054\064\357\050\050\227\274\301\371\127\206\225\213\065\317
\236\132\321\150\225\243\102\060\100\060\017\006\003\125\035\023
\001\001\377\004\005\060\003\001\001\377\060\035\006\003\125\035
\016\004\026\004\024\122\010\322\276\062\201\045\375\365\032\227
\354\116\137\032\273\123\315\220\255\060\016\006\003\125\035\017
\001\001\377\004\004\003\002\001\206\060\012\006\010\052\206\110
\316\075\004\003\003\003\147\000\060\144\002\060\114\061\105\106
\117\250\346\276\303\167\262\032\030\113\055\210\173\130\346\253
\224\153\104\003\260\027\377\337\202\163\104\121\054\375\223\035
\006\173\024\322\211\354\100\014\357\041\001\056\002\060\057\311
\056\132\154\054\035\331\225\340\236\260\271\134\122\174\366\370
\070\312\056\361\324\035\362\242\111\242\225\370\301\130\136\117
\376\163\012\357\061\260\253\043\130\023\214\213\336\073
```

```
END
```

```
CKA_NSS_MOZILLA_CA_POLICY
CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE
```

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "HARICA

Client ECC Root CA 2021"

Issuer: CN=HARICA Client ECC Root CA 2021,O=Hellenic Academic and Research Institutions CA,C=GR

Serial Number:31:68:d9:d8:e1:62:57:1e:d2:19:44:88:e6:10:7d:f0

Subject: CN=HARICA Client ECC Root CA 2021,O=Hellenic Academic and Research Institutions CA,C=GR

Not Valid Before: Fri Feb 19 11:03:34 2021

Not Valid After : Mon Feb 13 11:03:33 2045

Fingerprint (SHA-256):

8D:D4:B5:37:3C:B0:DE:36:76:9C:12:33:92:80:D8:27:46:B3:AA:6C:D4:26:E7:97:A3:1B:AB:E4:27:9C:F0:0B

Fingerprint (SHA1): BE:64:D3:DA:14:4B:D2:6B:CD:AF:8F:DB:A6:A6:72:F8:DE:26:F9:00

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "HARICA Client ECC Root CA 2021"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

\276\144\323\332\024\113\322\153\315\257\217\333\246\246\162\370

\336\046\371\000

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

\255\270\120\246\251\202\172\154\075\032\252\244\322\143\244\104

END

CKA_ISSUER MULTILINE_OCTAL

\060\157\061\013\060\011\006\003\125\004\006\023\002\107\122\061

\067\060\065\006\003\125\004\012\014\056\110\145\154\154\145\156

\151\143\040\101\143\141\144\145\155\151\143\040\141\156\144\040

\122\145\163\145\141\162\143\150\040\111\156\163\164\151\164\165

\164\151\157\156\163\040\103\101\061\047\060\045\006\003\125\004

\003\014\036\110\101\122\111\103\101\040\103\154\151\145\156\164

\040\105\103\103\040\122\157\157\164\040\103\101\040\062\060\062

\061

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

\002\020\061\150\331\330\341\142\127\036\322\031\104\210\346\020

\175\360

END

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#

Certificate "Autoridad de Certificacion Firmaprofesional CIF A62634068"

#

Issuer: CN=Autoridad de Certificacion Firmaprofesional CIF A62634068,C=ES

```
# Serial Number:1b:70:e9:d2:ff:ae:6c:71
#
Subject: CN=Autoridad de Certificacion Firmaprofesional CIF A62634068,C=ES
# Not Valid Before: Tue Sep 23 15:22:07 2014
# Not Valid After : Mon May 05 15:22:07 2036
# Fingerprint (SHA-256):
57:DE:05:83:EF:D2:B2:6E:03:61:DA:99:DA:9D:F4:64:8D:EF:7E:E8:44:1C:3B:72:8A:FA:9B:CD:E0:F9:B2:6A
# Fingerprint (SHA1): 0B:BE:C2:27:22:49:CB:39:AA:DB:35:5C:53:E3:8C:AE:78:FF:B6:FE
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Autoridad de Certificacion Firmaprofesional CIF A62634068"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\121\061\013\060\011\006\003\125\004\006\023\002\105\123\061
\102\060\100\006\003\125\004\003\014\071\101\165\164\157\162\151
\144\141\144\040\144\145\040\103\145\162\164\151\146\151\143\141
\143\151\157\156\040\106\151\162\155\141\160\162\157\146\145\163
\151\157\156\141\154\040\103\111\106\040\101\066\062\066\063\064
\060\066\070
END
CKA_ID
UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\121\061\013\060\011\006\003\125\004\006\023\002\105\123\061
\102\060\100\006\003\125\004\003\014\071\101\165\164\157\162\151
\144\141\144\040\144\145\040\103\145\162\164\151\146\151\143\141
\143\151\157\156\040\106\151\162\155\141\160\162\157\146\145\163
\151\157\156\141\154\040\103\111\106\040\101\066\062\066\063\064
\060\066\070
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\010\033\160\351\322\377\256\154\161
END
CKA_VALUE MULTILINE_OCTAL
\060\202\006\024\060\202\003\374\240\003\002\001\002\002\010\033
\160\351\322\377\256\154\161\060\015\006\011\052\206\110\206\367
\015\001\001\013\005\000\060\121\061\013\060\011\006\003\125\004
\006\023\002\105\123\061\102\060\100\006\003\125\004\003\014\071
\101\165\164\157\162\151\144\141\144\040\144\145\040\103\145\162
\164\151\146\151\143\141\143\151\157\156\040\106\151\162\155\141
\160\162\157\146\145\163\151\157\156\141\154\040\103\111\106\040
\101\066\062\066\063\064\060\066\070\060\036\027\015\061\064\060
\071\062\063\061\065\062\062\060\067\132\027\015\063\066\060\065
\060\065\061\065\062\062\060\067\132\060\121\061\013\060\011\006
\003\125\004\006\023\002\105\123\061\102\060\100\006\003\125\004
\003\014\071\101\165\164\157\162\151\144\141\144\040\144\145\040
```

\103\145\162\164\151\146\151\143\141\143\151\157\156\040\106\151
\162\155\141\160\162\157\146\145\163\151\157\156\141\154\040\103
\111\106\040\101\066\062\066\063\064\060\066\070\060\202\002\042
\060\015\006\011\052\206\110\206\367\015\001\001\001\005\000\003
\202\002\017\000\060\202\002\012\002\202\002\001\000\312\226\153
\216\352\370\373\361\242\065\340\177\114\332\340\303\122\327\175
\266\020\310\002\136\263\103\052\304\117\152\262\312\034\135\050
\232\170\021\032\151\131\127\257\265\040\102\344\213\017\346\337
\133\246\003\222\057\365\021\344\142\327\062\161\070\331\004\014
\161\253\075\121\176\017\007\337\143\005\134\351\277\224\157\301
\051\202\300\264\332\121\260\301\074\273\255\067\112\134\312\361
\113\066\016\044\253\277\303\204\167\375\250\120\364\261\347\306
\057\322\055\131\215\172\012\116\226\151\122\002\252\066\230\354
\374\372\024\203\014\067\037\311\222\067\177\327\201\055\345\304
\271\340\076\064\376\147\364\076\146\321\323\364\100\317\136\142
\064\017\160\006\076\040\030\132\316\367\162\033\045\154\223\164
\024\223\243\163\261\016\252\207\020\043\131\137\040\005\031\107
\355\150\216\222\022\312\135\374\326\053\262\222\074\040\317\341
\137\257\040\276\240\166\177\166\345\354\032\206\141\063\076\347
\173\264\077\240\017\216\242\271\152\157\271\207\046\157\101\154
\210\246\120\375\152\143\013\365\223\026\033\031\217\262\355\233
\233\311\220\365\001\014\337\031\075\017\076\070\043\311\057\217
\014\321\002\376\033\125\326\116\320\215\074\257\117\244\363\376
\257\052\323\005\235\171\010\241\313\127\061\264\234\310\220\262
\147\364\030\026\223\072\374\107\330\321\170\226\061\037\272\053
\014\137\135\231\255\143\211\132\044\040\166\330\337\375\253\116
\246\042\252\235\136\346\047\212\175\150\051\243\347\212\270\332
\021\273\027\055\231\235\023\044\106\367\305\342\330\237\216\177
\307\217\164\155\132\262\350\162\365\254\356\044\020\255\057\024
\332\377\055\232\106\161\107\276\102\337\273\001\333\364\177\323
\050\217\061\131\133\323\311\002\246\264\122\312\156\227\373\103
\305\010\046\157\212\364\273\375\237\050\252\015\325\105\363\023
\072\035\330\300\170\217\101\147\074\036\224\144\256\173\013\305
\350\331\001\210\071\032\227\206\144\101\325\073\207\014\156\372
\017\306\275\110\024\277\071\115\324\236\101\266\217\226\035\143
\226\223\331\225\006\170\061\150\236\067\006\073\200\211\105\141
\071\043\307\033\104\243\025\345\034\370\222\060\273\002\003\001
\000\001\243\201\357\060\201\354\060\035\006\003\125\035\016\004
\026\004\024\145\315\353\253\065\036\000\076\176\325\164\300\034
\264\163\107\016\032\144\057\060\022\006\003\125\035\023\001\001
\377\004\010\060\006\001\001\377\002\001\001\060\201\246\006\003
\125\035\040\004\201\236\060\201\233\060\201\230\006\004\125\035
\040\000\060\201\217\060\057\006\010\053\006\001\005\005\007\002
\001\026\043\150\164\164\160\072\057\057\167\167\167\056\146\151
\162\155\141\160\162\157\146\145\163\151\157\156\141\154\056\143
\157\155\057\143\160\163\060\134\006\010\053\006\001\005\005\007
\002\002\060\120\036\116\000\120\000\141\000\163\000\145\000\157
\000\040\000\144\000\145\000\040\000\154\000\141\000\040\000\102

\000\157\000\156\000\141\000\156\000\157\000\166\000\141\000\040
\000\064\000\067\000\040\000\102\000\141\000\162\000\143\000\145
\000\154\000\157\000\156\000\141\000\040\000\060\000\070\000\060
\000\061\000\067\060\016\006\003\125\035\017\001\001\377\004\004
\003\002\001\006\060\015\006\011\052\206\110\206\367\015\001\001
\013\005\000\003\202\002\001\000\164\207\050\002\053\167\037\146
\211\144\355\217\164\056\106\034\273\250\370\370\013\035\203\266
\072\247\350\105\212\007\267\340\076\040\313\341\010\333\023\010
\370\050\241\065\262\200\263\013\121\300\323\126\232\215\063\105
\111\257\111\360\340\075\007\172\105\023\132\377\310\227\330\323
\030\054\175\226\370\335\242\145\103\160\223\220\025\272\220\337
\350\031\260\333\054\212\140\017\267\157\224\007\036\035\246\311
\205\366\275\064\370\100\170\142\020\160\072\276\175\113\071\201
\251\020\324\226\101\273\370\137\034\013\035\010\362\261\260\211
\172\362\367\240\340\304\217\213\170\265\073\130\245\043\216\117
\125\376\066\073\340\014\267\312\052\060\101\040\264\200\315\256
\374\166\146\163\250\256\156\341\174\332\003\350\224\040\346\042
\243\320\037\220\135\040\123\024\046\127\332\124\227\337\026\104
\020\001\036\210\146\217\162\070\223\335\040\267\064\276\327\361
\356\143\216\107\171\050\006\374\363\131\105\045\140\042\063\033
\243\137\250\272\052\332\032\075\315\100\352\214\356\005\025\225
\325\245\054\040\057\247\230\050\356\105\374\361\270\210\000\054
\217\102\332\121\325\234\345\023\150\161\105\103\213\236\013\041
\074\113\134\005\334\032\237\230\216\332\275\042\236\162\315\255
\012\313\314\243\147\233\050\164\304\233\327\032\074\004\130\246
\202\235\255\307\173\157\377\200\226\351\370\215\152\275\030\220
\035\377\111\032\220\122\067\223\057\074\002\135\202\166\013\121
\347\026\307\127\370\070\371\247\315\233\042\124\357\143\260\025
\155\123\145\003\112\136\112\240\262\247\216\111\000\131\070\325
\307\364\200\144\365\156\225\120\270\021\176\025\160\070\112\260
\177\320\304\062\160\300\031\377\311\070\055\024\054\146\364\102
\104\346\125\166\033\200\025\127\377\300\247\247\252\071\252\330
\323\160\320\056\272\353\224\152\372\137\064\206\347\142\265\375
\212\360\060\205\224\311\257\044\002\057\157\326\335\147\376\343
\260\125\117\004\230\117\244\101\126\342\223\320\152\350\326\363
\373\145\340\316\165\304\061\131\014\356\202\310\014\140\063\112
\031\272\204\147\047\017\274\102\135\275\044\124\015\354\035\160
\006\137\244\274\372\040\174\125

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "Autoridad de Certificacion

Firmaprofesional CIF A62634068"

Issuer: CN=Autoridad de Certificacion Firmaprofesional CIF A62634068,C=ES

Serial Number: 1b:70:e9:d2:ff:ae:6c:71

```

# Subject: CN=Autoridad de Certificacion Firmaprofesional CIF A62634068,C=ES
# Not Valid Before: Tue Sep 23 15:22:07 2014
# Not Valid After : Mon May 05 15:22:07 2036
# Fingerprint (SHA-256):
57:DE:05:83:EF:D2:B2:6E:03:61:DA:99:DA:9D:F4:64:8D:EF:7E:E8:44:1C:3B:72:8A:FA:9B:CD:E0:F9:B2:6A
# Fingerprint (SHA1): 0B:BE:C2:27:22:49:CB:39:AA:DB:35:5C:53:E3:8C:AE:78:FF:B6:FE
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Autoridad de Certificacion Firmaprofesional CIF A62634068"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\013\276\302\047\042\111\313\071\252\333\065\134\123\343\214\256
\170\377\266\376
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\116\156\233\124\114\312\267\372\110\344\220\261\025\113\034\243
END
CKA_ISSUER MULTILINE_OCTAL
\060\121\061\013\060\011\006\003\125\004\006\023\002\105\123\061
\102\060\100\006\003\125\004\003\014\071\101\165\164\157\162\151
\144\141\144\040\144\145\040\103\145\162\164\151\146\151\143\141
\143\151\157\156\040\106\151\162\155\141\160\162\157\146\145\163
\151\157\156\141\154\040\103\111\106\040\101\066\062\066\063\064
\060\066\070
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\010\033\160\351\322\377\256\154\161
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "vTrus ECC Root CA"
#
# Issuer: CN=vTrus ECC Root CA,O="iTrusChina Co.,Ltd.",C=CN
# Serial Number:6e:6a:bc:59:aa:53:be:98:39:67:a2:d2:6b:a4:3b:e6:6d:1c:d6:da
# Subject: CN=vTrus ECC Root CA,O="iTrusChina Co.,Ltd.",C=CN
# Not Valid Before: Tue Jul 31 07:26:44 2018
# Not Valid After : Fri Jul 31 07:26:44 2043
# Fingerprint (SHA-256):
30:FB:BA:2C:32:23:8E:2A:98:54:7A:F9:79:31:E5:50:42:8B:9B:3F:1C:8E:EB:66:33:DC:FA:86:C5:B2:7D:D3
#
Fingerprint (SHA1): F6:9C:DB:B0:FC:F6:02:13:B6:52:32:A6:A3:91:3F:16:70:DA:C3:E1
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE

```

```
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "vTrus ECC Root CA"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\107\061\013\060\011\006\003\125\004\006\023\002\103\116\061
\034\060\032\006\003\125\004\012\023\023\151\124\162\165\163\103
\150\151\156\141\040\103\157\056\054\114\164\144\056\061\032\060
\030\006\003\125\004\003\023\021\166\124\162\165\163\040\105\103
\103\040\122\157\157\164\040\103\101
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\107\061\013\060\011\006\003\125\004\006\023\002\103\116\061
\034\060\032\006\003\125\004\012\023\023\151\124\162\165\163\103
\150\151\156\141\040\103\157\056\054\114\164\144\056\061\032\060
\030\006\003\125\004\003\023\021\166\124\162\165\163\040\105\103
\103\040\122\157\157\164\040\103\101
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\024\156\152\274\131\252\123\276\230\071\147\242\322\153\244
\073\346\155\034\326\332
END
CKA_VALUE MULTILINE_OCTAL
\060\202\002\017\060\202\001\225\240\003\002\001\002\002\024\156
\152\274\131\252\123\276\230\071\147\242\322\153\244\073\346\155
\034\326\332\060\012\006\010\052\206\110\316\075\004\003\003\060
\107\061\013\060\011\006\003\125\004\006\023\002\103\116\061\034
\060\032\006\003\125\004\012\023\023\151\124\162\165\163\103\150
\151\156\141\040\103\157\056\054\114\164\144\056\061\032\060\030
\006\003\125\004\003\023\021\166\124\162\165\163\040\105\103\103
\040\122\157\157\164\040\103\101\060\036\027\015\061\070\060\067
\063\061\060\067\062\066\064\064\132\027\015\064\063\060\067\063
\061\060\067\062\066\064\064\132\060\107\061\013\060\011\006\003
\125\004\006\023\002\103\116\061\034\060\032\006\003\125\004\012
\023\023\151\124\162\165\163\103\150\151\156\141\040\103\157\056
\054\114\164\144\056\061\032\060\030\006\003\125\004\003\023\021
\166\124\162\165\163\040\105\103\103\040\122\157\157\164\040\103
\101\060\166\060\020\006\007\052\206\110\316\075\002\001\006\005
\053\201\004\000\042\003\142\000\004\145\120\112\256\214\171\226
\112\252\034\010\303\243\242\315\376\131\126\101\167\375\046\224
\102\273\035\315\010\333\163\262\133\165\363\317\234\116\202\364
\277\370\141\046\205\154\326\205\133\162\160\322\375\333\142\264
\337\123\213\275\261\104\130\142\102\011\307\372\177\133\020\347
\376\100\375\300\330\303\053\062\347\160\246\267\246\040\125\035
\173\200\135\113\217\147\114\361\020\243\102\060\100\060\035\006
```

```
\003\125\035\016\004\026\004\024\230\071\315\276\330\262\214\367
\262\253\341\255\044\257\173\174\241\333\037\317\060\017\006\003
\125\035\023\001\001\377\004\005\060\003\001\001\377\060\016\006
\003\125\035\017\001\001\377\004\004\003\002\001\006\060\012\006
\010\052\206\110\316\075\004\003\003\003\150\000\060\145\002\060
\127\235\335\126\361\307\343\351\270\111\120\153\233\151\303\157
\354\303\175\045\344\127\225\023\100\233\122\323\073\363\100\031
\274\046\307\055\006\236\265\173\066\237\365\045\324\143\153\000
\002\061\000\351\323\306\236\126\232\052\314\241\332\077\310\146
\053\323\130\234\040\205\372\253\221\212\160\160\021\070\140\144
\013\142\011\221\130\000\371\115\373\064\150\332\011\255\041\006
\030\224\316
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "vTrus ECC Root CA"

Issuer: CN=vTrus ECC Root CA,O="iTrusChina Co.,Ltd.",C=CN

Serial Number:6e:6a:bc:59:aa:53:be:98:39:67:a2:d2:6b:a4:3b:e6:6d:1c:d6:da

Subject: CN=vTrus ECC Root CA,O="iTrusChina Co.,Ltd.",C=CN

Not Valid Before: Tue Jul 31 07:26:44 2018

Not Valid After : Fri Jul 31 07:26:44 2043

Fingerprint (SHA-256):

30:FB:BA:2C:32:23:8E:2A:98:54:7A:F9:79:31:E5:50:42:8B:9B:3F:1C:8E:EB:66:33:DC:FA:86:C5:B2:7D:D3

Fingerprint (SHA1): F6:9C:DB:B0:FC:F6:02:13:B6:52:32:A6:A3:91:3F:16:70:DA:C3:E1

CKA_CLASS

CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "vTrus ECC Root CA"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\366\234\333\260\374\366\002\023\266\122\062\246\243\221\077\026
\160\332\303\341
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\336\113\301\365\122\214\233\103\341\076\217\125\124\027\215\205
```

END

CKA_ISSUER MULTILINE_OCTAL

```
\060\107\061\013\060\011\006\003\125\004\006\023\002\103\116\061
\034\060\032\006\003\125\004\012\023\023\151\124\162\165\163\103
\150\151\156\141\040\103\157\056\054\114\164\144\056\061\032\060
\030\006\003\125\004\003\023\021\166\124\162\165\163\040\105\103
\103\040\122\157\157\164\040\103\101
```

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\002\024\156\152\274\131\252\123\276\230\071\147\242\322\153\244

\073\346\155\034\326\332

END

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

CKA_TRUST_CODE_SIGNING

CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#

Certificate "vTrus Root CA"

#

Issuer: CN=vTrus Root CA,O="iTrusChina Co.,Ltd.",C=CN

Serial Number:43:e3:71:13:d8:b3:59:14:5d:b7:ce:8c:fd:35:fd:6f:bc:05:8d:45

Subject: CN=vTrus Root CA,O="iTrusChina Co.,Ltd.",C=CN

Not Valid Before: Tue Jul 31 07:24:05 2018

Not Valid After : Fri Jul 31 07:24:05 2043

Fingerprint (SHA-256):

8A:71:DE:65:59:33:6F:42:6C:26:E5:38:80:D0:0D:88:A1:8D:A4:C6:A9:1F:0D:CB:61:94:E2:06:C5:C9:63:87

Fingerprint (SHA1): 84:1A:69:FB:F5:CD:1A:25:34:13:3D:E3:F8:FC:B8:99:D0:C9:14:B7

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "vTrus Root CA"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL

\060\103\061\013\060\011\006\003\125\004\006\023\002\103\116\061

\034\060\032\006\003\125\004\012\023\023\151\124\162\165\163\103

\150\151\156\141\040\103\157\056\054\114\164\144\056\061\026\060

\024\006\003\125\004\003\023\015\166\124\162\165\163\040\122\157

\157\164\040\103\101

END

CKA_ID

UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

\060\103\061\013\060\011\006\003\125\004\006\023\002\103\116\061

\034\060\032\006\003\125\004\012\023\023\151\124\162\165\163\103

\150\151\156\141\040\103\157\056\054\114\164\144\056\061\026\060

\024\006\003\125\004\003\023\015\166\124\162\165\163\040\122\157

\157\164\040\103\101

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\002\024\103\343\161\023\330\263\131\024\135\267\316\214\375\065

\375\157\274\005\215\105

END

CKA_VALUE MULTILINE_OCTAL

\060\202\005\126\060\202\003\076\240\003\002\001\002\002\024\103

\343\161\023\330\263\131\024\135\267\316\214\375\065\375\157\274
\005\215\105\060\015\006\011\052\206\110\206\367\015\001\001\013
\005\000\060\103\061\013\060\011\006\003\125\004\006\023\002\103
\116\061\034\060\032\006\003\125\004\012\023\023\151\124\162\165
\163\103\150\151\156\141\040\103\157\056\054\114\164\144\056\061
\026\060\024\006\003\125\004\003\023\015\166\124\162\165\163\040
\122\157\157\164\040\103\101\060\036\027\015\061\070\060\067\063
\061\060\067\062\064\060\065\132\027\015\064\063\060\067\063\061
\060\067\062\064\060\065\132\060\103\061\013\060\011\006\003\125
\004\006\023\002\103\116\061\034\060\032\006\003\125\004\012\023
\023\151\124\162\165\163\103\150\151\156\141\040\103\157\056\054
\114\164\144\056\061\026\060\024\006\003\125\004\003\023\015\166
\124\162\165\163\040\122\157\157\164\040\103\101\060\202\002\042
\060\015\006\011\052\206\110\206\367\015\001\001\001\005\000\003
\202\002\017\000\060\202\002\012\002\202\002\001\000\275\125\174
\141\323\270\035\004\142\005\240\256\154\267\160\264\101\352\113
\003\136\020\077\220\132\034\213\073\260\146\213\154\110\246\034
\042\272\325\100\222\356\063\262\043\131\311\216\274\130\332\213
\236\320\031\362\057\131\306\214\143\132\272\237\243\013\260\263
\232\134\272\021\270\022\351\014\273\317\156\154\200\207\051\024
\003\054\215\044\232\310\144\203\265\152\254\023\054\063\361\237
\334\054\141\074\032\077\160\125\233\255\000\122\177\317\004\271
\376\066\372\234\300\026\256\142\376\226\114\103\176\125\024\276
\032\263\322\155\302\257\166\146\225\153\052\260\224\167\205\136
\004\017\142\035\143\165\367\153\347\313\133\232\160\354\076\147
\005\360\376\007\010\200\317\050\333\005\306\024\047\057\206\175
\360\047\336\377\346\176\063\110\347\013\036\130\321\047\053\123
\016\127\112\145\327\373\242\200\140\374\114\274\065\123\001\152
\227\162\202\257\361\035\160\350\234\365\357\136\302\154\307\107
\176\132\224\205\046\115\073\272\353\114\350\260\011\302\145\302
\235\235\011\233\116\265\227\005\254\365\006\240\367\066\005\176
\364\220\262\153\304\264\371\144\352\351\032\012\310\015\250\355
\047\311\324\347\263\271\253\202\042\220\047\075\052\350\174\220
\357\274\117\375\342\012\044\247\336\145\044\244\135\352\300\166
\060\323\167\120\370\015\004\233\224\066\001\163\312\006\130\246
\323\073\334\372\004\106\023\125\212\311\104\107\270\121\071\032
\056\350\064\342\171\313\131\112\012\177\274\246\357\037\003\147
\152\131\053\045\142\223\331\123\031\146\074\047\142\051\206\115
\244\153\356\377\324\116\272\325\264\342\216\110\132\000\031\011
\361\005\331\316\221\261\367\353\351\071\117\366\157\004\103\232
\125\365\076\005\024\275\277\263\131\264\330\216\063\204\243\220
\122\252\263\002\225\140\371\014\114\150\371\356\325\027\015\370
\161\127\265\045\344\051\356\145\135\257\321\356\074\027\013\132
\103\305\245\206\352\044\236\342\005\007\334\064\102\022\221\326
\071\164\256\114\101\202\333\362\246\110\321\263\233\363\063\252
\363\246\300\305\116\365\364\235\166\143\346\002\306\042\113\301
\225\077\120\144\054\124\345\266\360\074\051\317\127\002\003\001
\000\001\243\102\060\100\060\035\006\003\125\035\016\004\026\004

\024\124\142\160\143\361\165\204\103\130\216\321\026\040\261\306
\254\032\274\366\211\060\017\006\003\125\035\023\001\001\377\004
\005\060\003\001\001\377\060\016\006\003\125\035\017\001\001\377
\004\004\003\002\001\006\060\015\006\011\052\206\110\206\367\015
\001\001\013\005\000\003\202\002\001\000\051\272\222\111\247\255
\360\361\160\303\344\227\360\237\251\045\325\153\236\064\376\346
\032\144\366\072\153\122\262\020\170\032\237\114\332\212\332\354
\034\067\122\340\102\113\373\154\166\312\044\013\071\022\025\235
\237\021\055\374\171\144\334\340\340\365\335\340\127\311\245\262
\166\160\120\244\376\267\012\160\325\240\064\361\165\327\115\111
\272\021\321\263\330\354\202\377\353\016\304\277\144\055\175\143
\156\027\170\354\135\174\210\310\353\216\127\166\331\131\004\372
\274\122\037\105\254\360\172\200\354\354\157\166\256\221\333\020
\216\004\334\222\337\240\366\346\256\111\323\301\154\022\033\314
\051\252\371\010\245\342\067\024\312\261\270\146\357\032\202\344
\360\370\361\247\026\151\267\333\251\141\074\237\365\061\313\344
\000\106\302\057\164\261\261\327\201\356\250\046\225\274\210\257
\114\065\007\052\002\312\170\024\155\107\053\100\126\351\313\052
\140\241\147\003\240\316\214\274\260\162\147\304\061\316\333\064
\345\045\003\140\045\173\161\230\344\300\033\053\137\164\102\322
\113\305\131\010\007\207\276\305\303\177\347\226\331\341\334\050
\227\326\217\005\343\365\233\116\312\035\120\107\005\123\260\312
\071\347\205\240\211\301\005\073\001\067\323\077\111\342\167\353
\043\310\210\146\073\075\071\166\041\106\361\354\137\043\270\353
\242\146\165\164\301\100\367\330\150\232\223\342\055\251\056\275
\034\243\036\310\164\306\244\055\172\040\253\073\270\260\106\375
\157\335\137\122\125\165\142\360\227\240\174\327\070\375\045\337
\315\240\233\020\317\213\270\070\136\136\305\264\246\002\066\241
\036\137\034\317\342\226\235\051\252\375\230\256\122\341\363\101
\122\373\251\056\162\226\237\047\343\252\163\175\370\032\043\146
\173\073\253\145\260\062\001\113\025\076\075\242\117\014\053\065
\242\306\331\147\022\065\060\315\166\056\026\263\231\236\115\117
\116\055\073\064\103\341\232\016\015\244\146\227\272\322\034\112
\114\054\052\213\213\201\117\161\032\251\335\134\173\173\010\305
\000\015\067\100\343\174\173\124\137\057\205\137\166\366\367\247
\260\034\127\126\301\162\350\255\242\257\215\063\111\272\037\212
\334\346\164\174\140\206\157\207\227\173

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "vTrus Root CA"

Issuer: CN=vTrus Root CA,O="iTrusChina Co.,Ltd.",C=CN

Serial Number:43:e3:71:13:d8:b3:59:14:5d:b7:ce:8c:fd:35:fd:6f:bc:05:8d:45

Subject: CN=vTrus Root CA,O="iTrusChina Co.,Ltd.",C=CN

Not Valid Before: Tue Jul 31 07:24:05 2018

```
# Not Valid After : Fri Jul 31 07:24:05 2043
# Fingerprint (SHA-256):
8A:71:DE:65:59:33:6F:42:6C:26:E5:38:80:D0:0D:88:A1:8D:A4:C6:A9:1F:0D:CB:61:94:E2:06:C5:C9:63:87
# Fingerprint (SHA1): 84:1A:69:FB:F5:CD:1A:25:34:13:3D:E3:F8:FC:B8:99:D0:C9:14:B7
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "vTrus Root CA"
CKA_CERT_SHA1_HASH
MULTILINE_OCTAL
\204\032\151\373\365\315\032\045\064\023\075\343\370\374\270\231
\320\311\024\267
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\270\311\067\337\372\153\061\204\144\305\352\021\152\033\165\374
END
CKA_ISSUER MULTILINE_OCTAL
\060\103\061\013\060\011\006\003\125\004\006\023\002\103\116\061
\034\060\032\006\003\125\004\012\023\023\151\124\162\165\163\103
\150\151\156\141\040\103\157\056\054\114\164\144\056\061\026\060
\024\006\003\125\004\003\023\015\166\124\162\165\163\040\122\157
\157\164\040\103\101
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\024\103\343\161\023\330\263\131\024\135\267\316\214\375\065
\375\157\274\005\215\105
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "ISRG Root X2"
#
# Issuer: CN=ISRG Root X2,O=Internet Security Research Group,C=US
# Serial Number:41:d2:9d:d1:72:ea:ee:a7:80:c1:2c:6c:e9:2f:87:52
#
Subject: CN=ISRG Root X2,O=Internet Security Research Group,C=US
# Not Valid Before: Fri Sep 04 00:00:00 2020
# Not Valid After : Mon Sep 17 16:00:00 2040
# Fingerprint (SHA-256):
69:72:9B:8E:15:A8:6E:FC:17:7A:57:AF:B7:17:1D:FC:64:AD:D2:8C:2F:CA:8C:F1:50:7E:34:45:3C:CB:14:70
# Fingerprint (SHA1): BD:B1:B9:3C:D5:97:8D:45:C6:26:14:55:F8:DB:95:C7:5A:D1:53:AF
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
```

```
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "ISRG Root X2"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\117\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\051\060\047\006\003\125\004\012\023\040\111\156\164\145\162\156
\145\164\040\123\145\143\165\162\151\164\171\040\122\145\163\145
\141\162\143\150\040\107\162\157\165\160\061\025\060\023\006\003
\125\004\003\023\014\111\123\122\107\040\122\157\157\164\040\130
\062
END
CKA_ID UTF8 "0"
CKA_ISSUER
MULTILINE_OCTAL
\060\117\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\051\060\047\006\003\125\004\012\023\040\111\156\164\145\162\156
\145\164\040\123\145\143\165\162\151\164\171\040\122\145\163\145
\141\162\143\150\040\107\162\157\165\160\061\025\060\023\006\003
\125\004\003\023\014\111\123\122\107\040\122\157\157\164\040\130
\062
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\101\322\235\321\162\352\356\247\200\301\054\154\351\057
\207\122
END
CKA_VALUE MULTILINE_OCTAL
\060\202\002\033\060\202\001\241\240\003\002\001\002\002\020\101
\322\235\321\162\352\356\247\200\301\054\154\351\057\207\122\060
\012\006\010\052\206\110\316\075\004\003\003\060\117\061\013\060
\011\006\003\125\004\006\023\002\125\123\061\051\060\047\006\003
\125\004\012\023\040\111\156\164\145\162\156\145\164\040\123\145
\143\165\162\151\164\171\040\122\145\163\145\141\162\143\150\040
\107\162\157\165\160\061\025\060\023\006\003\125\004\003\023\014
\111\123\122\107\040\122\157\157\164\040\130\062\060\036\027\015
\064\060\060\071\061\067\061\066\060\060\060\060\132\027\015\064
\060\060\071\061\067\061\066\060\060\060\060\132\060\117\061\013
\060\011\006\003\125\004\006\023\002\125\123\061\051\060\047\006
\003\125\004\012\023\040\111\156\164\145\162\156\145\164\040\123
\145\143\165\162\151\164\171\040\122\145\163\145\141\162\143\150
\040\107\162\157\165\160\061\025\060\023\006\003\125\004\003\023
\014\111\123\122\107\040\122\157\157\164\040\130\062\060\166\060
\020\006\007\052\206\110\316\075\002\001\006\005\053\201\004\000
\042\003\142\000\004\315\233\325\237\200\203\012\354\011\112\363
\026\112\076\134\317\167\254\336\147\005\015\035\007\266\334\026
\373\132\213\024\333\342\161\140\304\272\105\225\021\211\216\352
\006\337\367\052\026\034\244\271\305\305\062\340\003\340\036\202
\030\070\213\327\105\330\012\152\156\346\000\167\373\002\121\175
\042\330\012\156\232\133\167\337\360\372\101\354\071\334\165\312
```

```
\150\007\014\037\352\243\102\060\100\060\016\006\003\125\035\017
\001\001\377\004\004\003\002\001\006\060\017\006\003\125\035\023
\001\001\377\004\005\060\003\001\001\377\060\035\006\003\125\035
\016\004\026\004\024\174\102\226\256\336\113\110\073\372\222\370
\236\214\317\155\213\251\162\067\225\060\012\006\010\052\206\110
\316\075\004\003\003\003\150\000\060\145\002\060\173\171\116\106
\120\204\302\104\207\106\033\105\160\377\130\231\336\364\375\244
\322\125\246\040\055\164\326\064\274\101\243\120\137\001\047\126
\264\276\047\165\006\257\022\056\165\230\215\374\002\061\000\213
\365\167\154\324\310\145\252\340\013\054\356\024\235\047\067\244
\371\123\245\121\344\051\203\327\370\220\061\133\102\237\012\365
\376\256\000\150\347\214\111\017\266\157\133\133\025\362\347
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "ISRG Root X2"

Issuer: CN=ISRG Root X2,O=Internet Security Research Group,C=US

Serial Number:41:d2:9d:d1:72:ea:ee:a7:80:c1:2c:6c:e9:2f:87:52

#

Subject: CN=ISRG Root X2,O=Internet Security Research Group,C=US

Not Valid Before: Fri Sep 04 00:00:00 2020

Not Valid After : Mon Sep 17 16:00:00 2040

Fingerprint (SHA-256):

69:72:9B:8E:15:A8:6E:FC:17:7A:57:AF:B7:17:1D:FC:64:AD:D2:8C:2F:CA:8C:F1:50:7E:34:45:3C:CB:14:70

Fingerprint (SHA1): BD:B1:B9:3C:D5:97:8D:45:C6:26:14:55:F8:DB:95:C7:5A:D1:53:AF

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "ISRG Root X2"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\275\261\271\074\325\227\215\105\306\046\024\125\370\333\225\307
\132\321\123\257
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\323\236\304\036\043\074\246\337\317\243\176\155\340\024\346\345
```

END

CKA_ISSUER MULTILINE_OCTAL

```
\060\117\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\051\060\047\006\003\125\004\012\023\040\111\156\164\145\162\156
\145\164\040\123\145\143\165\162\151\164\171\040\122\145\163\145
\141\162\143\150\040\107\162\157\165\160\061\025\060\023\006\003
\125\004\003\023\014\111\123\122\107\040\122\157\157\164\040\130
\062
```

END

```

CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\020\101\322\235\321\162\352\356\247\200\301\054\154\351\057
\207\122
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "HiPKI Root CA - G1"
#
# Issuer: CN=HiPKI Root CA - G1,O="Chunghwa Telecom Co., Ltd.",C=TW
# Serial Number:2d:dd:ac:ce:62:97:94:a1:43:e8:b0:cd:76:6a:5e:60
# Subject: CN=HiPKI Root CA - G1,O="Chunghwa Telecom Co., Ltd.",C=TW
# Not Valid Before: Fri Feb 22 09:46:04 2019
# Not Valid After : Thu Dec 31 15:59:59 2037
# Fingerprint (SHA-256):
F0:15:CE:3C:C2:39:BF:EF:06:4B:E9:F1:D2:C4:17:E1:A0:26:4A:0A:94:BE:1F:0C:8D:12:18:64:EB:69:49:CC
# Fingerprint (SHA1): 6A:92:E4:A8:EE:1B:EC:96:45:37:E3:29:57:49:CD:96:E3:E5:D2:60
CKA_CLASS CK_OBJECT_CLASS
CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "HiPKI Root CA - G1"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\117\061\013\060\011\006\003\125\004\006\023\002\124\127\061
\043\060\041\006\003\125\004\012\014\032\103\150\165\156\147\150
\167\141\040\124\145\154\145\143\157\155\040\103\157\056\054\040
\114\164\144\056\061\033\060\031\006\003\125\004\003\014\022\110
\151\120\113\111\040\122\157\157\164\040\103\101\040\055\040\107
\061
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\117\061\013\060\011\006\003\125\004\006\023\002\124\127\061
\043\060\041\006\003\125\004\012\014\032\103\150\165\156\147\150
\167\141\040\124\145\154\145\143\157\155\040\103\157\056\054\040
\114\164\144\056\061\033\060\031\006\003\125\004\003\014\022\110
\151\120\113\111\040\122\157\157\164\040\103\101\040\055\040\107
\061
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\055\335\254\316\142\227\224\241\103\350\260\315\166\152
\136\140

```

END

CKA_VALUE

MULTILINE_OCTAL

\060\202\005\152\060\202\003\122\240\003\002\001\002\002\020\055
\335\254\316\142\227\224\241\103\350\260\315\166\152\136\140\060
\015\006\011\052\206\110\206\367\015\001\001\013\005\000\060\117
\061\013\060\011\006\003\125\004\006\023\002\124\127\061\043\060
\041\006\003\125\004\012\014\032\103\150\165\156\147\150\167\141
\040\124\145\154\145\143\157\155\040\103\157\056\054\040\114\164
\144\056\061\033\060\031\006\003\125\004\003\014\022\110\151\120
\113\111\040\122\157\157\164\040\103\101\040\055\040\107\061\060
\036\027\015\061\071\060\062\062\062\060\071\064\066\060\064\132
\027\015\063\067\061\062\063\061\061\065\065\071\065\071\132\060
\117\061\013\060\011\006\003\125\004\006\023\002\124\127\061\043
\060\041\006\003\125\004\012\014\032\103\150\165\156\147\150\167
\141\040\124\145\154\145\143\157\155\040\103\157\056\054\040\114
\164\144\056\061\033\060\031\006\003\125\004\003\014\022\110\151
\120\113\111\040\122\157\157\164\040\103\101\040\055\040\107\061
\060\202\002\042\060\015\006\011\052\206\110\206\367\015\001\001
\001\005\000\003\202\002\017\000\060\202\002\012\002\202\002\001
\000\364\036\177\122\163\062\014\163\344\275\023\164\243\324\060
\250\320\256\113\330\266\337\165\107\146\364\174\347\071\004\036
\152\160\040\322\132\107\162\147\125\364\245\350\235\325\036\041
\241\360\147\272\314\041\150\276\104\123\277\215\371\342\334\057
\125\310\067\077\037\244\300\234\263\344\167\134\240\106\376\167
\372\032\240\070\352\355\232\162\336\053\275\224\127\072\272\354
\171\347\137\175\102\144\071\172\046\066\367\044\360\325\057\272
\225\230\021\146\255\227\065\326\165\001\200\340\257\364\204\141
\214\015\036\137\174\207\226\136\101\257\353\207\352\370\135\361
\056\210\005\076\114\042\273\332\037\052\335\122\106\144\071\363
\102\316\331\236\014\263\260\167\227\144\234\300\364\243\056\037
\225\007\260\027\337\060\333\000\030\226\114\241\201\113\335\004
\155\123\243\075\374\007\254\324\305\067\202\353\344\225\010\031
\050\202\322\102\072\243\330\123\354\171\211\140\110\140\310\162
\222\120\334\003\217\203\077\262\102\127\132\333\152\351\021\227
\335\205\050\274\060\114\253\343\302\261\105\104\107\037\340\212
\026\007\226\322\041\017\123\300\355\251\176\324\116\354\233\011
\354\257\102\254\060\326\277\321\020\105\340\246\026\262\245\305
\323\117\163\224\063\161\002\241\152\243\326\063\227\117\041\143
\036\133\217\331\301\136\105\161\167\017\201\135\137\041\232\255
\203\314\372\136\326\215\043\137\033\075\101\257\040\165\146\132
\112\366\237\373\253\030\367\161\300\266\035\061\354\073\040\353
\313\342\270\365\256\222\262\367\341\204\113\362\242\362\223\232
\042\236\323\024\157\066\124\275\037\136\131\025\271\163\250\301
\174\157\173\142\351\026\154\107\132\145\363\016\021\233\106\331
\375\155\334\326\234\300\264\175\245\260\335\077\126\157\241\371
\366\344\022\110\375\006\177\022\127\266\251\043\117\133\003\303
\340\161\052\043\267\367\260\261\073\274\230\275\326\230\250\014

\153\366\216\022\147\246\362\262\130\344\002\011\023\074\251\273
\020\264\322\060\105\361\354\367\000\021\337\145\370\334\053\103
\125\277\026\227\304\017\325\054\141\204\252\162\206\376\346\072
\176\302\077\175\356\374\057\024\076\346\205\335\120\157\267\111
\355\002\003\001\000\001\243\102\060\100\060\017\006\003\125\035
\023\001\001\377\004\005\060\003\001\001\377\060\035\006\003\125
\035\016\004\026\004\024\362\167\027\372\136\250\376\366\075\161
\325\150\272\311\106\014\070\330\257\260\060\016\006\003\125\035
\017\001\001\377\004\004\003\002\001\206\060\015\006\011\052\206
\110\206\367\015\001\001\013\005\000\003\202\002\001\000\120\121
\360\165\334\160\004\343\377\252\165\324\161\242\313\236\217\250
\251\323\257\165\307\124\317\072\034\004\231\042\254\304\021\342
\357\063\112\246\043\035\016\015\107\330\067\307\157\257\064\177
\117\201\153\065\117\351\162\245\061\342\170\347\367\116\224\030
\133\100\175\317\153\041\124\206\346\225\172\373\306\312\352\234
\110\116\127\011\135\057\254\364\245\264\227\063\130\325\254\171
\251\314\137\371\205\372\122\305\215\370\221\024\353\072\015\027
\320\122\302\173\343\302\163\216\106\170\006\070\054\350\134\332
\146\304\364\244\360\126\031\063\051\132\145\222\005\107\106\112
\253\204\303\036\047\241\037\021\222\231\047\165\223\017\274\066
\073\227\127\217\046\133\014\273\234\017\324\156\060\007\324\334
\137\066\150\146\071\203\226\047\046\212\310\304\071\376\232\041
\157\325\162\206\351\177\142\345\227\116\320\044\320\100\260\320
\165\010\216\275\150\356\010\327\156\174\020\160\106\033\174\340
\210\262\236\162\206\231\001\343\277\237\111\031\264\045\276\126
\145\256\027\143\345\036\337\350\377\107\245\277\341\046\005\204
\344\260\300\257\347\010\231\250\014\136\046\200\105\324\370\150
\057\226\217\256\342\112\034\234\026\014\023\157\070\207\366\273
\310\064\137\222\003\121\171\160\246\337\313\365\231\115\171\315
\116\274\127\237\103\116\153\056\053\030\370\152\163\214\272\305
\065\357\071\152\101\036\317\161\250\242\262\206\007\133\072\311
\341\357\077\145\004\200\107\062\104\160\225\116\061\147\152\164
\133\020\105\165\352\260\237\320\346\065\376\116\237\213\314\053
\222\105\133\156\045\140\205\106\315\321\252\260\166\146\223\167
\226\276\203\276\070\266\044\116\046\013\314\355\172\126\032\340
\351\132\306\144\255\114\172\000\110\104\057\271\100\273\023\076
\276\025\170\235\205\201\112\052\127\336\325\031\103\332\333\312
\133\107\206\203\013\077\266\015\166\170\163\171\042\136\261\200
\037\317\276\321\077\126\020\230\053\225\207\241\037\235\144\024
\140\071\054\263\000\125\056\344\365\263\016\127\304\221\101\000
\234\077\350\245\337\352\366\377\310\360\255\155\122\250\027\253
\233\141\374\022\121\065\344\045\375\257\252\152\206\071

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

```

# Trust for "HiPKI Root CA - G1"
# Issuer: CN=HiPKI Root CA - G1,O="Chunghwa Telecom Co., Ltd.",C=TW
# Serial Number:2d:dd:ac:ce:62:97:94:a1:43:e8:b0:cd:76:6a:5e:60
#
# Subject: CN=HiPKI Root CA - G1,O="Chunghwa Telecom Co., Ltd.",C=TW
# Not Valid Before: Fri Feb 22 09:46:04 2019
# Not Valid After : Thu Dec 31 15:59:59 2037
# Fingerprint (SHA-256):
F0:15:CE:3C:C2:39:BF:EF:06:4B:E9:F1:D2:C4:17:E1:A0:26:4A:0A:94:BE:1F:0C:8D:12:18:64:EB:69:49:CC
# Fingerprint (SHA1): 6A:92:E4:A8:EE:1B:EC:96:45:37:E3:29:57:49:CD:96:E3:E5:D2:60
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "HiPKI Root CA - G1"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\152\222\344\250\356\033\354\226\105\067\343\051\127\111\315\226
\343\345\322\140
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\151\105\337\026\145\113\350\150\232\217\166\137\377\200\236\323
END
CKA_ISSUER MULTILINE_OCTAL
\060\117\061\013\060\011\006\003\125\004\006\023\002\124\127\061
\043\060\041\006\003\125\004\012\014\032\103\150\165\156\147\150
\167\141\040\124\145\154\145\143\157\155\040\103\157\056\054\040
\114\164\144\056\061\033\060\031\006\003\125\004\003\014\022\110
\151\120\113\111\040\122\157\157\164\040\103\101\040\055\040\107
\061
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\020\055\335\254\316\142\227\224\241\103\350\260\315\166\152
\136\140
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "GlobalSign ECC Root CA - R4"
#
# Issuer: CN=GlobalSign,O=GlobalSign,OU=GlobalSign ECC Root CA - R4
# Serial Number:02:03:e5:7e:f5:3f:93:fd:a5:09:21:b2:a6
# Subject: CN=GlobalSign,O=GlobalSign,OU=GlobalSign ECC Root CA - R4
# Not Valid Before: Tue Nov 13 00:00:00 2012
# Not Valid After : Tue Jan 19 03:14:07 2038

```

```
# Fingerprint (SHA-256):
B0:85:D7:0B:96:4F:19:1A:73:E4:AF:0D:54:AE:7A:0E:07:AA:FD:AF:9B:71:DD:08:62:13:8A:B7:32:5A:24:A2
# Fingerprint (SHA1): 6B:A0:B0:98:E1:71:EF:5A:AD:FE:48:15:80:77:10:F4:BD:6F:0B:28
CKA_CLASS
  CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "GlobalSign ECC Root CA - R4"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\120\061\044\060\042\006\003\125\004\013\023\033\107\154\157
\142\141\154\123\151\147\156\040\105\103\103\040\122\157\157\164
\040\103\101\040\055\040\122\064\061\023\060\021\006\003\125\004
\012\023\012\107\154\157\142\141\154\123\151\147\156\061\023\060
\021\006\003\125\004\003\023\012\107\154\157\142\141\154\123\151
\147\156
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\120\061\044\060\042\006\003\125\004\013\023\033\107\154\157
\142\141\154\123\151\147\156\040\105\103\103\040\122\157\157\164
\040\103\101\040\055\040\122\064\061\023\060\021\006\003\125\004
\012\023\012\107\154\157\142\141\154\123\151\147\156\061\023\060
\021\006\003\125\004\003\023\012\107\154\157\142\141\154\123\151
\147\156
END
CKA_SERIAL_NUMBER
  MULTILINE_OCTAL
\002\015\002\003\345\176\365\077\223\375\245\011\041\262\246
END
CKA_VALUE MULTILINE_OCTAL
\060\202\001\334\060\202\001\203\240\003\002\001\002\002\015\002
\003\345\176\365\077\223\375\245\011\041\262\246\060\012\006\010
\052\206\110\316\075\004\003\002\060\120\061\044\060\042\006\003
\125\004\013\023\033\107\154\157\142\141\154\123\151\147\156\040
\105\103\103\040\122\157\157\164\040\103\101\040\055\040\122\064
\061\023\060\021\006\003\125\004\012\023\012\107\154\157\142\141
\154\123\151\147\156\061\023\060\021\006\003\125\004\003\023\012
\107\154\157\142\141\154\123\151\147\156\060\036\027\015\061\062
\061\061\061\063\060\060\060\060\060\060\132\027\015\063\070\060
\061\061\071\060\063\061\064\060\067\132\060\120\061\044\060\042
\006\003\125\004\013\023\033\107\154\157\142\141\154\123\151\147
\156\040\105\103\103\040\122\157\157\164\040\103\101\040\055\040
\122\064\061\023\060\021\006\003\125\004\012\023\012\107\154\157
\142\141\154\123\151\147\156\061\023\060\021\006\003\125\004\003
\023\012\107\154\157\142\141\154\123\151\147\156\060\131\060\023
\006\007\052\206\110\316\075\002\001\006\010\052\206\110\316\075
```

```
\003\001\007\003\102\000\004\270\306\171\323\217\154\045\016\237
\056\071\031\034\003\244\256\232\345\071\007\011\026\312\143\261
\271\206\370\212\127\301\127\316\102\372\163\241\367\145\102\377
\036\301\000\262\156\163\016\377\307\041\345\030\244\252\331\161
\077\250\324\271\316\214\035\243\102\060\100\060\016\006\003\125
\035\017\001\001\377\004\004\003\002\001\206\060\017\006\003\125
\035\023\001\001\377\004\005\060\003\001\001\377\060\035\006\003
\125\035\016\004\026\004\024\124\260\173\255\105\270\342\100\177
\373\012\156\373\276\063\311\074\243\204\325\060\012\006\010\052
\206\110\316\075\004\003\002\003\107\000\060\104\002\040\042\117
\164\162\271\140\257\361\346\234\240\026\005\120\137\303\136\073
\156\141\164\357\276\001\304\276\030\110\131\141\202\062\002\040
\046\235\124\143\100\336\067\140\120\317\310\330\355\235\202\256
\067\230\274\243\217\114\114\251\064\053\154\357\373\225\233\046
END
```

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "GlobalSign ECC Root CA - R4"

Issuer: CN=GlobalSign,O=GlobalSign,OU=GlobalSign ECC Root CA - R4

Serial Number:02:03:e5:7e:f5:3f:93:fd:a5:09:21:b2:a6

Subject: CN=GlobalSign,O=GlobalSign,OU=GlobalSign ECC Root CA - R4

Not Valid Before: Tue Nov 13 00:00:00 2012

Not Valid After : Tue Jan 19 03:14:07 2038

Fingerprint (SHA-256):

B0:85:D7:0B:96:4F:19:1A:73:E4:AF:0D:54:AE:7A:0E:07:AA:FD:AF:9B:71:DD:08:62:13:8A:B7:32:5A:24:A2

Fingerprint (SHA1): 6B:A0:B0:98:E1:71:EF:5A:AD:FE:48:15:80:77:10:F4:BD:6F:0B:28

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "GlobalSign ECC Root CA - R4"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\153\240\260\230\341\161\357\132\255\376\110\025\200\167\020\364
\275\157\013\050
```

END

CKA_CERT_MD5_HASH

MULTILINE_OCTAL

```
\046\051\370\155\341\210\277\242\145\177\252\304\315\017\177\374
```

END

CKA_ISSUER MULTILINE_OCTAL

```
\060\120\061\044\060\042\006\003\125\004\013\023\033\107\154\157
\142\141\154\123\151\147\156\040\105\103\103\040\122\157\157\164
\040\103\101\040\055\040\122\064\061\023\060\021\006\003\125\004
\012\023\012\107\154\157\142\141\154\123\151\147\156\061\023\060
\021\006\003\125\004\003\023\012\107\154\157\142\141\154\123\151
```

```

\147\156
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\015\002\003\345\176\365\077\223\375\245\011\041\262\246
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "GTS Root R1"
#
# Issuer: CN=GTS Root R1,O=Google Trust Services LLC,C=US
# Serial Number:02:03:e5:93:6f:31:b0:13:49:88:6b:a2:17
# Subject: CN=GTS Root R1,O=Google Trust
Services LLC,C=US
# Not Valid Before: Wed Jun 22 00:00:00 2016
# Not Valid After : Sun Jun 22 00:00:00 2036
# Fingerprint (SHA-256):
D9:47:43:2A:BD:E7:B7:FA:90:FC:2E:6B:59:10:1B:12:80:E0:E1:C7:E4:E4:0F:A3:C6:88:7F:FF:57:A7:F4:CF
# Fingerprint (SHA1): E5:8C:1C:C4:91:3B:38:63:4B:E9:10:6E:E3:AD:8E:6B:9D:D9:81:4A
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "GTS Root R1"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\107\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\042\060\040\006\003\125\004\012\023\031\107\157\157\147\154\145
\040\124\162\165\163\164\040\123\145\162\166\151\143\145\163\040
\114\114\103\061\024\060\022\006\003\125\004\003\023\013\107\124
\123\040\122\157\157\164\040\122\061
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\107\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\042\060\040\006\003\125\004\012\023\031\107\157\157\147\154\145
\040\124\162\165\163\164\040\123\145\162\166\151\143\145\163\040
\114\114\103\061\024\060\022\006\003\125\004\003\023\013\107\124
\123\040\122\157\157\164\040\122\061
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\015\002\003\345\223\157\061\260\023\111\210\153\242\027
END
CKA_VALUE MULTILINE_OCTAL

```

\060\202\005\127\060\202\003\077\240\003\002\001\002\002\015\002
\003\345\223\157\061\260\023\111\210\153\242\027\060\015\006\011
\052\206\110\206\367\015\001\001\014\005\000\060\107\061\013\060
\011\006\003\125\004\006\023\002\125\123\061\042\060\040\006\003
\125\004\012\023\031\107\157\157\147\154\145\040\124\162\165\163
\164\040\123\145\162\166\151\143\145\163\040\114\114\103\061\024
\060\022\006\003\125\004\003\023\013\107\124\123\040\122\157\157
\164\040\122\061\060\036\027\015\061\066\060\066\062\062\060\060
\060\060\060\060\132\027\015\063\066\060\066\062\062\060\060\060
\060\060\060\132\060\107\061\013\060\011\006\003\125\004\006\023
\002\125\123\061\042\060\040\006\003\125\004\012\023\031\107\157
\157\147\154\145\040\124\162\165\163\164\040\123\145\162\166\151
\143\145\163\040\114\114\103\061\024\060\022\006\003\125\004\003
\023\013\107\124\123\040\122\157\157\164\040\122\061\060\202\002
\042\060\015\006\011\052\206\110\206\367\015\001\001\001\005\000
\003\202\002\017\000\060\202\002\012\002\202\002\001\000\266\021
\002\213\036\343\241\167\233\073\334\277\224\076\267\225\247\100
\074\241\375\202\371\175\062\006\202\161\366\366\214\177\373\350
\333\274\152\056\227\227\243\214\113\371\053\366\261\371\316\204
\035\261\371\305\227\336\357\271\362\243\351\274\022\211\136\247
\252\122\253\370\043\047\313\244\261\234\143\333\327\231\176\360
\012\136\353\150\246\364\306\132\107\015\115\020\063\343\116\261
\023\243\310\030\154\113\354\374\011\220\337\235\144\051\045\043
\007\241\264\322\075\056\140\340\317\322\011\207\273\315\110\360
\115\302\302\172\210\212\273\272\317\131\031\326\257\217\260\007
\260\236\061\361\202\301\300\337\056\246\155\154\031\016\265\330
\176\046\032\105\003\075\260\171\244\224\050\255\017\177\046\345
\250\010\376\226\350\074\150\224\123\356\203\072\210\053\025\226
\011\262\340\172\214\056\165\326\234\353\247\126\144\217\226\117
\150\256\075\227\302\204\217\300\274\100\300\013\134\275\366\207
\263\065\154\254\030\120\177\204\340\114\315\222\323\040\351\063
\274\122\231\257\062\265\051\263\045\052\264\110\371\162\341\312
\144\367\346\202\020\215\350\235\302\212\210\372\070\146\212\374
\143\371\001\371\170\375\173\134\167\372\166\207\372\354\337\261
\016\171\225\127\264\275\046\357\326\001\321\353\026\012\273\216
\013\265\305\305\212\125\253\323\254\352\221\113\051\314\031\244
\062\045\116\052\361\145\104\320\002\316\252\316\111\264\352\237
\174\203\260\100\173\347\103\253\247\154\243\217\175\211\201\372
\114\245\377\325\216\303\316\113\340\265\330\263\216\105\317\166
\300\355\100\053\375\123\017\260\247\325\073\015\261\212\242\003
\336\061\255\314\167\352\157\173\076\326\337\221\042\022\346\276
\372\330\062\374\020\143\024\121\162\336\135\326\026\223\275\051
\150\063\357\072\146\354\007\212\046\337\023\327\127\145\170\047
\336\136\111\024\000\242\000\177\232\250\041\266\251\261\225\260
\245\271\015\026\021\332\307\154\110\074\100\340\176\015\132\315
\126\074\321\227\005\271\313\113\355\071\113\234\304\077\322\125
\023\156\044\260\326\161\372\364\301\272\314\355\033\365\376\201
\101\330\000\230\075\072\310\256\172\230\067\030\005\225\002\003

\001\000\001\243\102\060\100\060\016\006\003\125\035\017\001\001
\377\004\004\003\002\001\206\060\017\006\003\125\035\023\001\001
\377\004\005\060\003\001\001\377\060\035\006\003\125\035\016\004
\026\004\024\344\257\053\046\161\032\053\110\047\205\057\122\146
\054\357\360\211\023\161\076\060\015\006\011\052\206\110\206\367
\015\001\001\014\005\000\003\202\002\001\000\237\252\102\046\333
\013\233\276\377\036\226\222\056\076\242\145\112\152\230\272\042
\313\175\301\072\330\202\012\006\306\366\245\336\300\116\207\146
\171\241\371\246\130\234\252\371\265\346\140\347\340\350\261\036
\102\101\063\013\067\075\316\211\160\025\312\265\044\250\317\153
\265\322\100\041\230\317\042\064\317\073\305\042\204\340\305\016
\212\174\135\210\344\065\044\316\233\076\032\124\036\156\333\262
\207\247\374\363\372\201\125\024\142\012\131\251\042\005\061\076
\202\326\356\333\127\064\274\063\225\323\027\033\350\047\242\213
\173\116\046\032\172\132\144\266\321\254\067\361\375\240\363\070
\354\162\360\021\165\235\313\064\122\215\346\166\153\027\306\337
\206\253\047\216\111\053\165\146\201\020\041\246\352\076\364\256
\045\377\174\025\336\316\214\045\077\312\142\160\012\367\057\011
\146\007\310\077\034\374\360\333\105\060\337\142\210\301\265\017
\235\303\237\112\336\131\131\107\305\207\042\066\346\202\247\355
\012\271\342\007\240\215\173\172\112\074\161\322\342\003\241\037
\062\007\335\033\344\102\316\014\000\105\141\200\265\013\040\131
\051\170\275\371\125\313\143\305\074\114\364\266\377\333\152\137
\061\153\231\236\054\301\153\120\244\327\346\030\024\275\205\077
\147\253\106\237\240\377\102\247\072\177\134\313\135\260\160\035
\053\064\365\324\166\011\014\353\170\114\131\005\363\063\102\303
\141\025\020\033\167\115\316\042\214\324\205\362\105\175\267\123
\352\357\100\132\224\012\134\040\137\116\100\135\142\042\166\337
\377\316\141\275\214\043\170\322\067\002\340\216\336\321\021\067
\211\366\277\355\111\007\142\256\222\354\100\032\257\024\011\331
\320\116\262\242\367\276\356\356\330\377\334\032\055\336\270\066
\161\342\374\171\267\224\045\321\110\163\133\241\065\347\263\231
\147\165\301\031\072\053\107\116\323\102\216\375\061\310\026\146
\332\322\014\074\333\263\216\311\241\015\200\017\173\026\167\024
\277\377\333\011\224\262\223\274\040\130\025\351\333\161\103\363
\336\020\303\000\334\250\052\225\266\302\326\077\220\153\166\333
\154\376\214\274\362\160\065\014\334\231\031\065\334\327\310\106
\143\325\066\161\256\127\373\267\202\155\334

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER

CK_BBOOL CK_FALSE

Trust for "GTS Root R1"

Issuer: CN=GTS Root R1,O=Google Trust Services LLC,C=US

Serial Number:02:03:e5:93:6f:31:b0:13:49:88:6b:a2:17

```

# Subject: CN=GTS Root R1,O=Google Trust Services LLC,C=US
# Not Valid Before: Wed Jun 22 00:00:00 2016
# Not Valid After : Sun Jun 22 00:00:00 2036
# Fingerprint (SHA-256):
D9:47:43:2A:BD:E7:B7:FA:90:FC:2E:6B:59:10:1B:12:80:E0:E1:C7:E4:E4:0F:A3:C6:88:7F:FF:57:A7:F4:CF
# Fingerprint (SHA1): E5:8C:1C:C4:91:3B:38:63:4B:E9:10:6E:E3:AD:8E:6B:9D:D9:81:4A
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "GTS Root R1"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\345\214\034\304\221\073\070\143\113\351\020\156\343\255\216\153
\235\331\201\112
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\005\376\320\277\161\250\243\166\143\332\001\340\330\122\334\100
END
CKA_ISSUER MULTILINE_OCTAL
\060\107\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\042\060\040\006\003\125\004\012\023\031\107\157\157\147\154\145
\040\124\162\165\163\164\040\123\145\162\166\151\143\145\163\040
\114\114\103\061\024\060\022\006\003\125\004\003\023\013\107\124
\123\040\122\157\157\164\040\122\061
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\015\002\003\345\223\157\061\260\023\111\210\153\242\027
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "GTS Root R2"
#
# Issuer: CN=GTS Root R2,O=Google Trust Services LLC,C=US
# Serial Number:02:03:e5:ae:c5:8d:04:25:1a:ab:11:25:aa
# Subject: CN=GTS Root R2,O=Google Trust Services LLC,C=US
# Not Valid Before: Wed Jun 22 00:00:00 2016
# Not Valid After : Sun Jun 22 00:00:00 2036
# Fingerprint (SHA-256):
8D:25:CD:97:22:9D:BF:70:35:6B:DA:4E:B3:CC:73:40:31:E2:4C:F0:0F:AF:CF:D3:2D:C7:6E:B5:84:1C:7E:A8
# Fingerprint (SHA1): 9A:44:49:76:32:DB:DE:FA:D0:BC:FB:5A:7B:17:BD:9E:56:09:24:94
CKA_CLASS
CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE

```



```
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "GTS Root R2"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\107\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\042\060\040\006\003\125\004\012\023\031\107\157\157\147\154\145
\040\124\162\165\163\164\040\123\145\162\166\151\143\145\163\040
\114\114\103\061\024\060\022\006\003\125\004\003\023\013\107\124
\123\040\122\157\157\164\040\122\062
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\107\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\042\060\040\006\003\125\004\012\023\031\107\157\157\147\154\145
\040\124\162\165\163\164\040\123\145\162\166\151\143\145\163\040
\114\114\103\061\024\060\022\006\003\125\004\003\023\013\107\124
\123\040\122\157\157\164\040\122\062
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\015\002\003\345\256\305\215\004\045\032\253\021\045\252
END
CKA_VALUE
MULTILINE_OCTAL
\060\202\005\127\060\202\003\077\240\003\002\001\002\002\015\002
\003\345\256\305\215\004\045\032\253\021\045\252\060\015\006\011
\052\206\110\206\367\015\001\001\014\005\000\060\107\061\013\060
\011\006\003\125\004\006\023\002\125\123\061\042\060\040\006\003
\125\004\012\023\031\107\157\157\147\154\145\040\124\162\165\163
\164\040\123\145\162\166\151\143\145\163\040\114\114\103\061\024
\060\022\006\003\125\004\003\023\013\107\124\123\040\122\157\157
\164\040\122\062\060\036\027\015\061\066\060\066\062\062\060\060
\060\060\060\060\132\027\015\063\066\060\066\062\062\060\060\060
\060\060\060\132\060\107\061\013\060\011\006\003\125\004\006\023
\002\125\123\061\042\060\040\006\003\125\004\012\023\031\107\157
\157\147\154\145\040\124\162\165\163\164\040\123\145\162\166\151
\143\145\163\040\114\114\103\061\024\060\022\006\003\125\004\003
\023\013\107\124\123\040\122\157\157\164\040\122\062\060\202\002
\042\060\015\006\011\052\206\110\206\367\015\001\001\001\005\000
\003\202\002\017\000\060\202\002\012\002\202\002\001\000\316\336
\375\246\373\354\354\024\064\074\007\006\132\154\131\367\031\065
\335\367\301\235\125\252\323\315\073\244\223\162\357\012\372\155
\235\366\360\205\200\133\241\110\122\237\071\305\267\356\050\254
\357\313\166\150\024\271\337\255\001\154\231\037\304\042\035\237
\376\162\167\340\054\133\257\344\004\277\117\162\240\032\064\230
\350\071\150\354\225\045\173\166\241\346\151\271\205\031\275\211
\214\376\255\355\066\352\163\274\377\203\342\313\175\301\322\316
\112\263\215\005\236\213\111\223\337\301\133\320\156\136\360\056
```

\060\056\202\374\372\274\264\027\012\110\345\210\233\305\233\153
\336\260\312\264\003\360\332\364\220\270\145\144\367\134\114\255
\350\176\146\136\231\327\270\302\076\310\320\023\235\255\356\344
\105\173\211\125\367\212\037\142\122\204\022\263\302\100\227\343
\212\037\107\221\246\164\132\322\370\261\143\050\020\270\263\011
\270\126\167\100\242\046\230\171\306\376\337\045\356\076\345\240
\177\324\141\017\121\113\074\077\214\332\341\160\164\330\302\150
\241\371\301\014\351\241\342\177\273\125\074\166\006\356\152\116
\314\222\210\060\115\232\275\117\013\110\232\204\265\230\243\325
\373\163\301\127\141\335\050\126\165\023\256\207\216\347\014\121
\011\020\165\210\114\274\215\371\173\074\324\042\110\037\052\334
\353\153\273\104\261\313\063\161\062\106\257\255\112\361\214\350
\164\072\254\347\032\042\163\200\322\060\367\045\102\307\042\073
\073\022\255\226\056\306\303\166\007\252\040\267\065\111\127\351
\222\111\350\166\026\162\061\147\053\226\176\212\243\307\224\126
\042\277\152\113\176\001\041\262\043\062\337\344\232\104\155\131
\133\135\365\000\240\034\233\306\170\227\215\220\377\233\310\252
\264\257\021\121\071\136\331\373\147\255\325\133\021\235\062\232
\033\275\325\272\133\245\311\313\045\151\123\125\047\134\340\312
\066\313\210\141\373\036\267\320\313\356\026\373\323\246\114\336
\222\245\324\342\337\365\006\124\336\056\235\113\264\223\060\252
\201\316\335\032\334\121\163\015\117\160\351\345\266\026\041\031
\171\262\346\211\013\165\144\312\325\253\274\011\301\030\241\377
\324\124\241\205\074\375\024\044\003\262\207\323\244\267\002\003
\001\000\001\243\102\060\100\060\016\006\003\125\035\017\001\001
\377\004\004\003\002\001\206\060\017\006\003\125\035\023\001\001
\377\004\005\060\003\001\001\377\060\035\006\003\125\035\016\004
\026\004\024\273\377\312\216\043\237\117\231\312\333\342\150\246
\245\025\047\027\036\331\016\060\015\006\011\052\206\110\206\367
\015\001\001\014\005\000\003\202\002\001\000\037\312\316\335\307
\276\241\237\331\047\114\013\334\027\230\021\152\210\336\075\346
\161\126\162\262\236\032\116\234\325\053\230\044\135\233\153\173
\260\063\202\011\275\337\045\106\352\230\236\266\033\376\203\074
\322\142\141\301\004\355\316\340\305\311\310\023\023\125\347\250
\143\255\214\173\001\376\167\060\341\316\150\233\005\370\022\356
\171\061\240\101\105\065\050\012\161\244\044\117\214\334\074\202
\007\137\146\334\175\020\376\014\141\263\005\225\356\341\256\201
\017\250\370\307\217\115\250\043\002\046\153\035\203\122\125\316
\265\057\000\312\200\100\340\341\164\254\140\365\207\200\235\256
\066\144\221\135\260\150\030\352\212\141\311\167\250\227\304\311
\307\245\374\125\113\363\360\177\271\145\075\047\150\320\314\153
\372\123\235\341\221\032\311\135\032\226\155\062\207\355\003\040
\310\002\316\132\276\331\352\375\262\115\304\057\033\337\137\172
\365\370\213\306\356\061\072\045\121\125\147\215\144\062\173\351
\236\303\202\272\052\055\351\036\264\340\110\006\242\374\147\257
\037\042\002\163\373\040\012\257\235\124\113\241\315\377\140\107
\260\077\135\357\033\126\275\227\041\226\055\012\321\136\235\070
\002\107\154\271\364\366\043\045\270\240\152\232\053\167\010\372

```
\304\261\050\220\046\130\010\074\342\176\252\327\075\157\272\061
\210\012\005\353\047\265\241\111\356\240\105\124\173\346\047\145
\231\040\041\250\243\274\373\030\226\273\122\157\014\355\203\121
\114\351\131\342\040\140\305\302\145\222\202\214\363\020\037\016
\212\227\276\167\202\155\077\217\035\135\274\111\047\275\314\117
\017\341\316\166\206\004\043\305\300\214\022\133\375\333\204\240
\044\361\110\377\144\174\320\276\134\026\321\357\231\255\300\037
\373\313\256\274\070\042\006\046\144\332\332\227\016\077\050\025
\104\250\117\000\312\360\232\314\317\164\152\264\076\074\353\225
\354\265\323\132\330\201\231\351\103\030\067\353\263\273\321\130
\142\101\363\146\322\217\252\170\225\124\040\303\132\056\164\053
\325\321\276\030\151\300\254\325\244\317\071\272\121\204\003\145
\351\142\300\142\376\330\115\125\226\342\320\021\372\110\064\021
\354\236\355\005\035\344\310\326\035\206\313
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "GTS Root R2"

Issuer: CN=GTS Root R2,O=Google Trust Services LLC,C=US

Serial Number:02:03:e5:ae:c5:8d:04:25:1a:ab:11:25:aa

Subject: CN=GTS Root R2,O=Google Trust Services LLC,C=US

Not Valid Before: Wed

Jun 22 00:00:00 2016

Not Valid After : Sun Jun 22 00:00:00 2036

Fingerprint (SHA-256):

8D:25:CD:97:22:9D:BF:70:35:6B:DA:4E:B3:CC:73:40:31:E2:4C:F0:0F:AF:CF:D3:2D:C7:6E:B5:84:1C:7E:A8

Fingerprint (SHA1): 9A:44:49:76:32:DB:DE:FA:D0:BC:FB:5A:7B:17:BD:9E:56:09:24:94

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "GTS Root R2"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\232\104\111\166\062\333\336\372\320\274\373\132\173\027\275\236
\126\011\044\224
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\036\071\300\123\346\036\051\202\013\312\122\125\066\135\127\334
```

END

CKA_ISSUER MULTILINE_OCTAL

```
\060\107\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\042\060\040\006\003\125\004\012\023\031\107\157\157\147\154\145
\040\124\162\165\163\164\040\123\145\162\166\151\143\145\163\040
\114\114\103\061\024\060\022\006\003\125\004\003\023\013\107\124
\123\040\122\157\157\164\040\122\062
```

```

END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\015\002\003\345\256\305\215\004\045\032\253\021\045\252
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "GTS Root R3"
#
# Issuer: CN=GTS Root R3,O=Google Trust Services LLC,C=US
# Serial Number:02:03:e5:b8:82:eb:20:f8:25:27:6d:3d:66
# Subject: CN=GTS Root R3,O=Google Trust Services LLC,C=US
# Not Valid Before: Wed Jun 22 00:00:00 2016
# Not Valid After : Sun Jun 22 00:00:00 2036
# Fingerprint (SHA-256):
34:D8:A7:3E:E2:08:D9:BC:DB:0D:95:65:20:93:4B:4E:40:E6:94:82:59:6E:8B:6F:73:C8:42:6B:01:0A:6F:48
# Fingerprint (SHA1): ED:E5:71:80:2B:C8:92:B9:5B:83:3C:D2:32:68:3F:09:CD:A0:1E:46
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "GTS Root R3"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE
CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\107\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\042\060\040\006\003\125\004\012\023\031\107\157\157\147\154\145
\040\124\162\165\163\164\040\123\145\162\166\151\143\145\163\040
\114\114\103\061\024\060\022\006\003\125\004\003\023\013\107\124
\123\040\122\157\157\164\040\122\063
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\107\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\042\060\040\006\003\125\004\012\023\031\107\157\157\147\154\145
\040\124\162\165\163\164\040\123\145\162\166\151\143\145\163\040
\114\114\103\061\024\060\022\006\003\125\004\003\023\013\107\124
\123\040\122\157\157\164\040\122\063
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\015\002\003\345\270\202\353\040\370\045\047\155\075\146
END
CKA_VALUE MULTILINE_OCTAL
\060\202\002\011\060\202\001\216\240\003\002\001\002\002\015\002

```

\003\345\270\202\353\040\370\045\047\155\075\146\060\012\006\010
\052\206\110\316\075\004\003\003\060\107\061\013\060\011\006\003
\125\004\006\023\002\125\123\061\042\060\040\006\003\125\004\012
\023\031\107\157\157\147\154\145\040\124\162\165\163\164\040\123
\145\162\166\151\143\145\163\040\114\114\103\061\024\060\022\006
\003\125\004\003\023\013\107\124\123\040\122\157\157\164\040\122
\063\060\036\027\015\061\066\060\066\062\062\060\060\060\060
\060\132\027\015\063\066\060\066\062\062\060\060\060\060\060
\132\060\107\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\042\060\040\006\003\125\004\012\023\031\107\157\157\147\154
\145\040\124\162\165\163\164\040\123\145\162\166\151\143\145\163
\040\114\114\103\061\024\060\022\006\003\125\004\003\023\013\107
\124\123\040\122\157\157\164\040\122\063\060\166\060\020\006\007
\052\206\110\316\075\002\001\006\005\053\201\004\000\042\003\142
\000\004\037\117\063\207\063\051\212\241\204\336\313\307\041\130
\101\211\352\126\235\053\113\205\306\035\114\047\274\177\046\121
\162\157\342\237\326\243\312\314\105\024\106\213\255\357\176\206
\214\354\261\176\057\377\251\161\235\030\204\105\004\101\125\156
\053\352\046\177\273\220\001\343\113\031\272\344\124\226\105\011
\261\325\154\221\104\255\204\023\216\232\214\015\200\014\062\366
\340\047\243\102\060\100\060\016\006\003\125\035\017\001\001\377
\004\004\003\002\001\206\060\017\006\003\125\035\023\001\001\377
\004\005\060\003\001\001\377\060\035\006\003\125\035\016\004\026
\004\024\301\361\046\272\240\055\256\205\201\317\323\361\052\022
\275\270\012\147\375\274\060\012\006\010\052\206\110\316\075\004
\003\003\003\151\000\060\146\002\061\000\366\341\040\225\024\173
\124\243\220\026\021\277\204\310\352\157\153\027\236\036\106\230
\040\233\237\323\015\331\254\323\057\315\174\370\133\056\125\273
\277\335\222\367\244\014\334\061\341\242\002\061\000\374\227\146
\146\345\103\026\023\203\335\307\337\057\276\024\070\355\001\316
\261\027\032\021\165\351\275\003\217\046\176\204\345\311\140\246
\225\327\124\131\267\347\021\054\211\324\271\356\027

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRUST_AFTER

CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

Trust for "GTS Root R3"

Issuer: CN=GTS Root R3,O=Google Trust Services LLC,C=US

Serial Number:02:03:e5:b8:82:eb:20:f8:25:27:6d:3d:66

Subject: CN=GTS Root R3,O=Google Trust Services LLC,C=US

Not Valid Before: Wed Jun 22 00:00:00 2016

Not Valid After : Sun Jun 22 00:00:00 2036

Fingerprint (SHA-256):

34:D8:A7:3E:E2:08:D9:BC:DB:0D:95:65:20:93:4B:4E:40:E6:94:82:59:6E:8B:6F:73:C8:42:6B:01:0A:6F:48

Fingerprint (SHA1): ED:E5:71:80:2B:C8:92:B9:5B:83:3C:D2:32:68:3F:09:CD:A0:1E:46

```

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "GTS Root R3"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\355\345\161\200\053\310\222\271\133\203\074\322\062\150\077\011
\315\240\036\106
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\076\347\235\130\002\224\106\121\224\345\340\042\112\213\347\163
END
CKA_ISSUER MULTILINE_OCTAL
\060\107\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\042\060\040\006\003\125\004\012\023\031\107\157\157\147\154\145
\040\124\162\165\163\164\040\123\145\162\166\151\143\145\163\040
\114\114\103\061\024\060\022\006\003\125\004\003\023\013\107\124
\123\040\122\157\157\164\040\122\063
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\015\002\003\345\270\202\353\040\370\045\047\155\075\146
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "GTS Root R4"
#
# Issuer: CN=GTS Root R4,O=Google Trust Services LLC,C=US
# Serial Number:02:03:e5:c0:68:ef:63:1a:9c:72:90:50:52
# Subject: CN=GTS Root R4,O=Google Trust Services LLC,C=US
# Not Valid Before: Wed Jun 22 00:00:00 2016
# Not Valid After : Sun Jun 22 00:00:00 2036
# Fingerprint (SHA-256):
34:9D:FA:40:58:C5:E2:63:12:3B:39:8A:E7:95:57:3C:4E:13:13:C8:3F:E6:8F:93:55:6C:D5:E8:03:1B:3C:7D
#
Fingerprint (SHA1): 77:D3:03:67:B5:E0:0C:15:F6:0C:38:61:DF:7C:E1:3B:92:46:4D:47
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "GTS Root R4"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\107\061\013\060\011\006\003\125\004\006\023\002\125\123\061

```

\042\060\040\006\003\125\004\012\023\031\107\157\157\147\154\145
\040\124\162\165\163\164\040\123\145\162\166\151\143\145\163\040
\114\114\103\061\024\060\022\006\003\125\004\003\023\013\107\124
\123\040\122\157\157\164\040\122\064

END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

\060\107\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\042\060\040\006\003\125\004\012\023\031\107\157\157\147\154\145
\040\124\162\165\163\164\040\123\145\162\166\151\143\145\163\040
\114\114\103\061\024\060\022\006\003\125\004\003\023\013\107\124
\123\040\122\157\157\164\040\122\064

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

\002\015\002\003\345\300\150\357\143\032\234\162\220\120\122

END

CKA_VALUE MULTILINE_OCTAL

\060\202\002\011\060\202\001\216\240\003\002\001\002\002\015\002
\003\345\300\150\357\143\032\234\162\220\120\122\060\012\006\010
\052\206\110\316\075\004\003\003\060\107\061\013\060\011\006\003
\125\004\006\023\002\125\123\061\042\060\040\006\003\125\004\012
\023\031\107\157\157\147\154\145\040\124\162\165\163\164\040\123
\145\162\166\151\143\145\163\040\114\114\103\061\024\060\022\006
\003\125\004\003\023\013\107\124\123\040\122\157\157\164\040\122
\064\060\036\027\015\061\066\060\066\062\062\060\060\060\060\060
\060\132\027\015\063\066\060\066\062\062\060\060\060\060\060\060
\132\060\107\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\042\060\040\006\003\125\004\012\023\031\107\157\157\147\154
\145\040\124\162\165\163\164\040\123\145\162\166\151\143\145\163
\040\114\114\103\061\024\060\022\006\003\125\004\003\023\013\107
\124\123\040\122\157\157\164\040\122\064\060\166\060\020\006\007
\052\206\110\316\075\002\001\006\005\053\201\004\000\042\003\142
\000\004\363\164\163\247\150\213\140\256\103\270\065\305\201\060
\173\113\111\235\373\301\141\316\346\336\106\275\153\325\141\030
\065\256\100\335\163\367\211\221\060\132\353\074\356\205\174\242
\100\166\073\251\306\270\107\330\052\347\222\221\152\163\351\261
\162\071\237\051\237\242\230\323\137\136\130\206\145\017\241\204
\145\006\321\334\213\311\307\163\310\214\152\057\345\304\253\321
\035\212\243\102\060\100\060\016\006\003\125\035\017\001\001\377
\004\004\003\002\001\206\060\017\006\003\125\035\023\001\001\377
\004\005\060\003\001\001\377\060\035\006\003\125\035\016\004\026
\004\024\200\114\326\353\164\377\111\066\243\325\330\374\265\076
\305\152\360\224\035\214\060\012\006\010\052\206\110\316\075\004
\003\003\003\151\000\060\146\002\061\000\350\100\377\203\336\003
\364\237\256\035\172\247\056\271\257\117\366\203\035\016\055\205
\001\035\321\331\152\354\017\302\257\307\136\126\136\134\325\034
\130\042\050\013\367\060\266\057\261\174\002\061\000\360\141\074

```
\247\364\240\202\343\041\325\204\035\163\206\234\055\257\312\064
\233\361\237\271\043\066\342\274\140\003\235\200\263\232\126\310
\341\342\273\024\171\312\315\041\324\224\265\111\103
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "GTS Root R4"

Issuer: CN=GTS Root R4,O=Google Trust Services LLC,C=US

Serial Number:02:03:e5:c0:68:ef:63:1a:9c:72:90:50:52

Subject: CN=GTS Root R4,O=Google Trust Services LLC,C=US

Not Valid Before: Wed Jun 22 00:00:00 2016

Not Valid After : Sun Jun 22 00:00:00 2036

Fingerprint (SHA-256):

34:9D:FA:40:58:C5:E2:63:12:3B:39:8A:E7:95:57:3C:4E:13:13:C8:3F:E6:8F:93:55:6C:D5:E8:03:1B:3C:7D

Fingerprint (SHA1): 77:D3:03:67:B5:E0:0C:15:F6:0C:38:61:DF:7C:E1:3B:92:46:4D:47

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL

CK_FALSE

CKA_LABEL UTF8 "GTS Root R4"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\167\323\003\147\265\340\014\025\366\014\070\141\337\174\341\073
\222\106\115\107
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\103\226\203\167\031\115\166\263\235\145\122\344\035\042\245\350
```

END

CKA_ISSUER MULTILINE_OCTAL

```
\060\107\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\042\060\040\006\003\125\004\012\023\031\107\157\157\147\154\145
\040\124\162\165\163\164\040\123\145\162\166\151\143\145\163\040
\114\114\103\061\024\060\022\006\003\125\004\003\023\013\107\124
\123\040\122\157\157\164\040\122\064
```

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

```
\002\015\002\003\345\300\150\357\143\032\234\162\220\120\122
```

END

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#

Certificate "Telia Root CA v2"


```
#
# Issuer: CN=Telia Root CA v2,O=Telia Finland
  Oyj,C=FI
# Serial Number:01:67:5f:27:d6:fe:7a:e3:e4:ac:be:09:5b:05:9e
# Subject: CN=Telia Root CA v2,O=Telia Finland Oyj,C=FI
# Not Valid Before: Thu Nov 29 11:55:54 2018
# Not Valid After : Sun Nov 29 11:55:54 2043
# Fingerprint (SHA-256):
24:2B:69:74:2F:CB:1E:5B:2A:BF:98:89:8B:94:57:21:87:54:4E:5B:4D:99:11:78:65:73:62:1F:6A:74:B8:2C
# Fingerprint (SHA1): B9:99:CD:D1:73:50:8A:C4:47:05:08:9C:8C:88:FB:BE:A0:2B:40:CD
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Telia Root CA v2"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\104\061\013\060\011\006\003\125\004\006\023\002\106\111\061
\032\060\030\006\003\125\004\012\014\021\124\145\154\151\141\040
\106\151\156\154\141\156\144\040\117\171\152\061\031\060\027\006
\003\125\004\003\014\020\124\145\154\151\141\040\122\157\157\164
\040\103\101\040\166\062
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\104\061\013\060\011\006\003\125\004\006\023\002\106\111\061
\032\060\030\006\003\125\004\012\014\021\124\145\154\151\141\040
\106\151\156\154\141\156\144\040\117\171\152\061\031\060\027\006
\003\125\004\003\014\020\124\145\154\151\141\040\122\157\157\164
\040\103\101\040\166\062
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\017\001\147\137\047\326\376\172\343\344\254\276\011\133\005
\236
END
CKA_VALUE MULTILINE_OCTAL
\060\202\005\164\060\202\003\134\240\003\002\001\002\002\017\001
\147\137\047\326\376\172\343\344\254\276\011\133\005\236\060\015
\006\011\052\206\110\206\367\015\001\001\013\005\000\060\104\061
\013\060\011\006\003\125\004\006\023\002\106\111\061\032\060\030
\006\003\125\004\012\014\021\124\145\154\151\141\040\106\151\156
\154\141\156\144\040\117\171\152\061\031\060\027\006\003\125\004
\003\014\020\124\145\154\151\141\040\122\157\157\164\040\103\101
\040\166\062\060\036\027\015\061\070\061\061\062\071\061\061\065
\065\065\064\132\027\015\064\063\061\061\062\071\061\061\065\065
\065\064\132\060\104\061\013\060\011\006\003\125\004\006\023\002
\106\111\061\032\060\030\006\003\125\004\012\014\021\124\145\154
```

\151\141\040\106\151\156\154\141\156\144\040\117\171\152\061\031
\060\027\006\003\125\004\003\014\020\124\145\154\151\141\040\122
\157\157\164\040\103\101\040\166\062\060\202\002\042\060\015\006
\011\052\206\110\206\367\015\001\001\001\005\000\003\202\002\017
\000\060\202\002\012\002\202\002\001\000\262\320\077\007\274\342
\173\320\153\231\370\342\167\151\347\316\235\244\003\274\202\155
\241\376\201\145\037\114\047\254\216\000\272\026\173\353\060\152
\000\300\263\164\150\176\262\257\307\325\142\263\172\077\120\312
\214\066\104\044\143\322\066\351\014\205\366\103\166\325\114\241
\140\162\147\342\050\063\245\313\061\270\072\042\043\064\270\175
\275\126\042\100\235\352\364\173\003\255\150\374\262\201\117\230
\320\164\352\215\345\175\315\143\303\243\366\336\222\302\130\031
\340\226\273\305\304\251\075\245\164\226\376\257\371\211\252\275
\225\027\124\330\170\104\361\014\167\025\222\340\230\102\247\244
\326\252\040\222\315\301\240\263\226\262\072\204\102\215\175\325
\225\344\326\333\351\142\304\130\263\171\305\214\323\065\063\203
\237\165\241\122\047\141\070\361\131\075\216\120\340\275\171\074
\347\154\226\376\136\331\002\145\264\216\134\320\021\064\337\135
\277\122\247\201\000\303\177\231\105\231\025\325\027\310\012\123
\354\143\363\231\175\314\151\022\206\302\027\360\001\236\277\204
\274\321\122\313\033\222\146\316\244\123\345\241\277\304\333\011
\326\346\211\126\053\310\343\174\336\343\377\211\345\065\156\050
\350\154\013\043\121\251\045\005\353\110\370\335\261\312\372\154
\010\121\357\267\030\154\104\312\046\341\163\306\211\006\201\345
\212\254\260\342\051\306\271\044\263\153\104\021\364\245\103\302
\114\103\345\160\066\214\266\063\127\172\225\056\202\240\364\134
\020\263\141\203\366\002\005\206\056\174\055\154\334\003\106\156
\065\223\325\172\225\057\336\040\330\133\176\224\220\004\152\272
\131\075\004\005\165\235\067\242\016\056\075\353\301\244\122\203
\376\320\153\324\146\216\334\306\351\022\116\035\052\127\252\020
\274\174\136\202\175\246\246\311\362\055\271\365\027\047\255\321
\016\211\124\053\225\372\300\255\035\230\024\170\063\102\206\012
\251\163\265\373\164\015\267\033\060\031\304\132\016\034\047\267
\332\030\320\377\212\310\005\272\361\252\034\242\067\267\346\110
\244\106\054\224\352\250\166\142\107\213\020\123\007\110\127\154
\342\222\115\266\256\005\313\334\301\112\136\217\254\075\031\116
\302\355\140\165\053\333\301\312\102\325\002\003\001\000\001\243
\143\060\141\060\037\006\003\125\035\043\004\030\060\026\200\024
\162\254\344\063\171\252\105\207\366\375\254\035\236\326\307\057
\206\330\044\071\060\035\006\003\125\035\016\004\026\004\024\162
\254\344\063\171\252\105\207\366\375\254\035\236\326\307\057\206
\330\044\071\060\016\006\003\125\035\017\001\001\377\004\004\003
\002\001\006\060\017\006\003\125\035\023\001\001\377\004\005\060
\003\001\001\377\060\015\006\011\052\206\110\206\367\015\001\001
\013\005\000\003\202\002\001\000\240\073\131\247\011\224\076\066
\204\322\176\057\071\245\226\227\372\021\255\374\147\363\161\011
\362\262\211\204\147\104\257\271\357\355\226\354\234\144\333\062
\060\157\147\232\254\176\137\262\253\001\066\176\201\372\344\204

\136\322\254\066\340\153\142\305\175\113\016\202\155\322\166\142
\321\376\227\370\237\060\174\030\371\264\122\167\202\035\166\333
\323\035\251\360\301\232\000\275\155\165\330\175\347\372\307\070
\243\234\160\350\106\171\003\257\056\164\333\165\370\156\123\014
\003\310\231\032\211\065\031\074\323\311\124\174\250\360\054\346
\156\007\171\157\152\341\346\352\221\202\151\012\035\303\176\131
\242\236\153\106\025\230\133\323\257\106\035\142\310\316\200\122
\111\021\077\311\004\022\303\023\174\077\073\212\226\333\074\240
\036\012\264\213\124\262\044\147\015\357\202\313\276\074\175\321
\342\177\256\026\326\126\130\271\332\040\261\203\025\241\357\212
\115\062\157\101\057\023\122\202\224\327\032\301\170\242\121\335
\053\160\155\267\032\371\367\260\340\147\227\126\333\174\141\123
\011\003\050\002\100\307\263\330\375\234\160\152\306\050\303\205
\351\342\355\032\223\240\336\113\230\242\204\076\005\167\001\226
\075\373\264\040\017\234\162\002\172\022\057\325\243\272\121\170
\257\052\053\104\145\116\265\375\012\350\301\315\171\207\141\053
\336\200\127\105\277\147\361\233\221\136\245\244\354\131\110\020
\015\070\307\260\372\303\104\155\004\365\170\120\034\222\226\133
\332\365\270\056\272\133\317\345\360\152\235\113\057\130\163\055
\117\055\304\034\076\364\263\077\253\025\016\073\031\101\212\244
\301\127\022\146\161\114\372\123\343\127\353\142\225\011\236\124
\335\321\302\074\127\074\275\070\255\230\144\267\270\003\232\123
\126\140\135\263\330\102\033\134\113\022\212\034\353\353\175\306
\172\151\307\047\177\244\370\213\362\344\224\146\207\113\351\224
\007\011\022\171\212\262\353\164\004\334\316\364\104\131\340\026
\312\305\054\130\327\074\173\317\142\206\152\120\175\065\066\146
\247\373\067\347\050\307\330\320\255\245\151\224\217\350\301\337
\044\370\033\007\061\207\201\330\135\366\350\050\330\112\122\200
\254\023\356\120\024\036\230\307

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "Telia Root CA v2"

Issuer: CN=Telia Root CA v2,O=Telia Finland Oyj,C=FI

Serial Number:01:67:5f:27:d6:fe:7a:e3:e4:ac:be:09:5b:05:9e

Subject: CN=Telia Root CA v2,O=Telia Finland Oyj,C=FI

Not Valid Before: Thu Nov 29 11:55:54 2018

Not Valid After : Sun Nov 29 11:55:54 2043

Fingerprint (SHA-256):

24:2B:69:74:2F:CB:1E:5B:2A:BF:98:89:8B:94:57:21:87:54:4E:5B:4D:99:11:78:65:73:62:1F:6A:74:B8:2C

Fingerprint (SHA1): B9:99:CD:D1:73:50:8A:C4:47:05:08:9C:8C:88:FB:BE:A0:2B:40:CD

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

```

CKA_LABEL UTF8 "Telia Root CA v2"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\271\231\315\321\163\120\212\304\107\005\010\234\214\210\373\276
\240\053\100\315
END
CKA_CERT_MD5_HASH
MULTILINE_OCTAL
\016\217\254\252\202\337\205\261\364\334\020\034\374\231\331\110
END
CKA_ISSUER MULTILINE_OCTAL
\060\104\061\013\060\011\006\003\125\004\006\023\002\106\111\061
\032\060\030\006\003\125\004\012\014\021\124\145\154\151\141\040
\106\151\156\154\141\156\144\040\117\171\152\061\031\060\027\006
\003\125\004\003\014\020\124\145\154\151\141\040\122\157\157\164
\040\103\101\040\166\062
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\017\001\147\137\047\326\376\172\343\344\254\276\011\133\005
\236
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "D-TRUST BR Root CA 1 2020"
#
# Issuer: CN=D-TRUST BR Root CA 1 2020,O=D-Trust GmbH,C=DE
# Serial Number:7c:c9:8f:2b:84:d7:df:ea:0f:c9:65:9a:d3:4b:4d:96
# Subject: CN=D-TRUST BR Root CA 1 2020,O=D-Trust
GmbH,C=DE
# Not Valid Before: Tue Feb 11 09:45:00 2020
# Not Valid After : Sun Feb 11 09:44:59 2035
# Fingerprint (SHA-256):
E5:9A:AA:81:60:09:C2:2B:FF:5B:25:BA:D3:7D:F3:06:F0:49:79:7C:1F:81:D8:5A:B0:89:E6:57:BD:8F:00:44
# Fingerprint (SHA1): 1F:5B:98:F0:E3:B5:F7:74:3C:ED:E6:B0:36:7D:32:CD:F4:09:41:67
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "D-TRUST BR Root CA 1 2020"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\110\061\013\060\011\006\003\125\004\006\023\002\104\105\061
\025\060\023\006\003\125\004\012\023\014\104\055\124\162\165\163
\164\040\107\155\142\110\061\042\060\040\006\003\125\004\003\023
\031\104\055\124\122\125\123\124\040\102\122\040\122\157\157\164

```

\040\103\101\040\061\040\062\060\062\060
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\110\061\013\060\011\006\003\125\004\006\023\002\104\105\061
\025\060\023\006\003\125\004\012\023\014\104\055\124\162\165\163
\164\040\107\155\142\110\061\042\060\040\006\003\125\004\003\023
\031\104\055\124\122\125\123\124\040\102\122\040\122\157\157\164
\040\103\101\040\061\040\062\060\062\060
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\020\174\311\217\053\204\327\337\352\017\311\145\232\323\113
\115\226
END
CKA_VALUE MULTILINE_OCTAL
\060\202\002\333\060\202\002\140\240\003\002\001\002\002\020\174
\311\217\053\204\327\337\352\017\311\145\232\323\113\115\226\060
\012\006\010\052\206\110\316\075\004\003\003\060\110\061\013\060
\011\006\003\125\004\006\023\002\104\105\061\025\060\023\006\003
\125\004\012\023\014\104\055\124\162\165\163\164\040\107\155\142
\110\061\042\060\040\006\003\125\004\003\023\031\104\055\124\122
\125\123\124\040\102\122\040\122\157\157\164\040\103\101\040\061
\040\062\060\062\060\060\036\027\015\062\060\060\062\061\061\060
\071\064\065\060\060\132\027\015\063\065\060\062\061\061\060\071
\064\064\065\071\132\060\110\061\013\060\011\006\003\125\004\006
\023\002\104\105\061\025\060\023\006\003\125\004\012\023\014\104
\055\124\162\165\163\164\040\107\155\142\110\061\042\060\040\006
\003\125\004\003\023\031\104\055\124\122\125\123\124\040\102\122
\040\122\157\157\164\040\103\101\040\061\040\062\060\062\060\060
\166\060\020\006\007\052\206\110\316\075\002\001\006\005\053\201
\004\000\042\003\142\000\004\306\313\307\050\321\373\204\365\232
\357\102\024\040\341\103\153\156\165\255\374\053\003\204\324\166
\223\045\327\131\073\101\145\153\036\346\064\052\273\164\366\022
\316\350\155\347\253\344\074\116\077\104\010\213\315\026\161\313
\277\222\231\364\244\327\074\120\124\122\220\205\203\170\224\147
\147\243\034\011\031\075\165\064\205\336\355\140\175\307\014\264
\101\122\271\156\345\356\102\243\202\001\015\060\202\001\011\060
\017\006\003\125\035\023\001\001\377\004\005\060\003\001\001\377
\060\035\006\003\125\035\016\004\026\004\024\163\221\020\253\377
\125\263\132\174\011\045\325\262\272\010\240\153\253\037\155\060
\016\006\003\125\035\017\001\001\377\004\004\003\002\001\006\060
\201\306\006\003\125\035\037\004\201\276\060\201\273\060\076\240
\074\240\072\206\070\150\164\164\160\072\057\057\143\162\154\056
\144\055\164\162\165\163\164\056\156\145\164\057\143\162\154\057
\144\055\164\162\165\163\164\137\142\162\137\162\157\157\164\137
\143\141\137\061\137\062\060\062\060\056\143\162\154\060\171\240
\167\240\165\206\163\154\144\141\160\072\057\057\144\151\162\145

```
\143\164\157\162\171\056\144\055\164\162\165\163\164\056\156\145
\164\057\103\116\075\104\055\124\122\125\123\124\045\062\060\102
\122\045\062\060\122\157\157\164\045\062\060\103\101\045\062\060
\061\045\062\060\062\060\062\060\054\117\075\104\055\124\162\165
\163\164\045\062\060\107\155\142\110\054\103\075\104\105\077\143
\145\162\164\151\146\151\143\141\164\145\162\145\166\157\143\141
\164\151\157\156\154\151\163\164\060\012\006\010\052\206\110\316
\075\004\003\003\003\151\000\060\146\002\061\000\224\220\055\023
\372\341\143\370\141\143\350\255\205\170\124\221\234\270\223\070
\076\032\101\332\100\026\123\102\010\312\057\216\361\076\201\126
\300\252\330\355\030\304\260\256\364\076\372\046\002\061\000\363
\050\342\306\333\053\231\373\267\121\270\044\243\244\224\172\032
\077\346\066\342\003\127\063\212\060\313\202\307\326\024\021\325
\165\143\133\024\225\234\037\001\317\330\325\162\247\017\073
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "D-TRUST BR Root CA 1 2020"

Issuer: CN=D-TRUST BR Root CA 1 2020,O=D-Trust GmbH,C=DE

Serial Number:7c:c9:8f:2b:84:d7:df:ea:0f:c9:65:9a:d3:4b:4d:96

Subject: CN=D-TRUST BR Root CA 1 2020,O=D-Trust GmbH,C=DE

Not Valid Before: Tue Feb 11 09:45:00 2020

Not Valid After : Sun Feb 11 09:44:59 2035

Fingerprint (SHA-256):

E5:9A:AA:81:60:09:C2:2B:FF:5B:25:BA:D3:7D:F3:06:F0:49:79:7C:1F:81:D8:5A:B0:89:E6:57:BD:8F:00:44

Fingerprint (SHA1): 1F:5B:98:F0:E3:B5:F7:74:3C:ED:E6:B0:36:7D:32:CD:F4:09:41:67

CKA_CLASS

CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "D-TRUST BR Root CA 1 2020"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\037\133\230\360\343\265\367\164\074\355\346\260\066\175\062\315
\364\011\101\147
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\265\252\113\325\355\367\343\125\056\217\162\012\363\165\270\355
```

END

CKA_ISSUER MULTILINE_OCTAL

```
\060\110\061\013\060\011\006\003\125\004\006\023\002\104\105\061
\025\060\023\006\003\125\004\012\023\014\104\055\124\162\165\163
\164\040\107\155\142\110\061\042\060\040\006\003\125\004\003\023
\031\104\055\124\122\125\123\124\040\102\122\040\122\157\157\164
\040\103\101\040\061\040\062\060\062\060
```

```

END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\174\311\217\053\204\327\337\352\017\311\145\232\323\113
\115\226
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED
CK_BBOOL CK_FALSE

#
# Certificate "D-TRUST EV Root CA 1 2020"
#
# Issuer: CN=D-TRUST EV Root CA 1 2020,O=D-Trust GmbH,C=DE
# Serial Number:5f:02:41:d7:7a:87:7c:4c:03:a3:ac:96:8d:fb:ff:d0
# Subject: CN=D-TRUST EV Root CA 1 2020,O=D-Trust GmbH,C=DE
# Not Valid Before: Tue Feb 11 10:00:00 2020
# Not Valid After : Sun Feb 11 09:59:59 2035
# Fingerprint (SHA-256):
08:17:0D:1A:A3:64:53:90:1A:2F:95:92:45:E3:47:DB:0C:8D:37:AB:AA:BC:56:B8:1A:A1:00:DC:95:89:70:DB
# Fingerprint (SHA1): 61:DB:8C:21:59:69:03:90:D8:7C:9C:12:86:54:CF:9D:3D:F4:DD:07
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "D-TRUST EV Root CA 1 2020"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\110\061\013\060\011\006\003\125\004\006\023\002\104\105\061
\025\060\023\006\003\125\004\012\023\014\104\055\124\162\165\163
\164\040\107\155\142\110\061\042\060\040\006\003\125\004\003\023
\031\104\055\124\122\125\123\124\040\105\126\040\122\157\157\164
\040\103\101\040\061\040\062\060\062\060
END
CKA_ID
UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\110\061\013\060\011\006\003\125\004\006\023\002\104\105\061
\025\060\023\006\003\125\004\012\023\014\104\055\124\162\165\163
\164\040\107\155\142\110\061\042\060\040\006\003\125\004\003\023
\031\104\055\124\122\125\123\124\040\105\126\040\122\157\157\164
\040\103\101\040\061\040\062\060\062\060
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\137\002\101\327\172\207\174\114\003\243\254\226\215\373
\377\320
END

```

CKA_VALUE MULTILINE_OCTAL

\060\202\002\333\060\202\002\140\240\003\002\001\002\002\020\137
\002\101\327\172\207\174\114\003\243\254\226\215\373\377\320\060
\012\006\010\052\206\110\316\075\004\003\003\060\110\061\013\060
\011\006\003\125\004\006\023\002\104\105\061\025\060\023\006\003
\125\004\012\023\014\104\055\124\162\165\163\164\040\107\155\142
\110\061\042\060\040\006\003\125\004\003\023\031\104\055\124\122
\125\123\124\040\105\126\040\122\157\157\164\040\103\101\040\061
\040\062\060\062\060\060\036\027\015\062\060\060\062\061\061\061
\060\060\060\060\060\132\027\015\063\065\060\062\061\061\060\071
\065\071\065\071\132\060\110\061\013\060\011\006\003\125\004\006
\023\002\104\105\061\025\060\023\006\003\125\004\012\023\014\104
\055\124\162\165\163\164\040\107\155\142\110\061\042\060\040\006
\003\125\004\003\023\031\104\055\124\122\125\123\124\040\105\126
\040\122\157\157\164\040\103\101\040\061\040\062\060\062\060\060
\166\060\020\006\007\052\206\110\316\075\002\001\006\005\053\201
\004\000\042\003\142\000\004\361\013\335\206\103\040\031\337\227
\205\350\042\112\233\317\235\230\277\264\005\046\311\313\343\246
\322\217\305\236\170\173\061\211\251\211\255\047\074\145\020\202
\374\337\303\235\116\360\063\043\304\322\062\365\034\260\337\063
\027\135\305\360\261\212\371\357\271\267\024\312\051\112\302\017
\251\177\165\145\111\052\060\147\364\144\367\326\032\167\332\303
\302\227\141\102\173\111\255\243\202\001\015\060\202\001\011\060
\017\006\003\125\035\023\001\001\377\004\005\060\003\001\001\377
\060\035\006\003\125\035\016\004\026\004\024\177\020\001\026\067
\072\244\050\344\120\370\244\367\354\153\062\266\376\351\213\060
\016\006\003\125\035\017\001\001\377\004\004\003\002\001\006\060
\201\306\006\003\125\035\037\004\201\276\060\201\273\060\076\240
\074\240\072\206\070\150\164\164\160\072\057\057\143\162\154\056
\144\055\164\162\165\163\164\056\156\145\164\057\143\162\154\057
\144\055\164\162\165\163\164\137\145\166\137\162\157\157\164\137
\143\141\137\061\137\062\060\062\060\056\143\162\154\060\171\240
\167\240\165\206\163\154\144\141\160\072\057\057\144\151\162\145
\143\164\157\162\171\056\144\055\164\162\165\163\164\056\156\145
\164\057\103\116\075\104\055\124\122\125\123\124\045\062\060\105
\126\045\062\060\122\157\157\164\045\062\060\103\101\045\062\060
\061\045\062\060\062\060\062\060\054\117\075\104\055\124\162\165
\163\164\045\062\060\107\155\142\110\054\103\075\104\105\077\143
\145\162\164\151\146\151\143\141\164\145\162\145\166\157\143\141
\164\151\157\156\154\151\163\164\060\012\006\010\052\206\110\316
\075\004\003\003\003\151\000\060\146\002\061\000\312\074\306\052
\165\302\136\165\142\071\066\000\140\132\213\301\223\231\314\331
\333\101\073\073\207\231\027\073\325\314\117\312\042\367\240\200
\313\371\264\261\033\126\365\162\322\374\031\321\002\061\000\221
\367\060\223\077\020\106\053\161\244\320\073\104\233\300\051\002
\005\262\101\167\121\363\171\132\236\216\024\240\116\102\322\133
\201\363\064\152\003\347\042\070\120\133\355\031\117\103\026

END


```

CKA_NSS_MOZILLA_CA_POLICY
CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

# Trust for "D-TRUST EV Root CA 1 2020"
# Issuer: CN=D-TRUST EV Root CA 1 2020,O=D-Trust GmbH,C=DE
# Serial Number:5f:02:41:d7:7a:87:7c:4c:03:a3:ac:96:8d:fb:ff:d0
# Subject: CN=D-TRUST EV Root CA 1 2020,O=D-Trust GmbH,C=DE
# Not Valid Before: Tue
Feb 11 10:00:00 2020
# Not Valid After : Sun Feb 11 09:59:59 2035
# Fingerprint (SHA-256):
08:17:0D:1A:A3:64:53:90:1A:2F:95:92:45:E3:47:DB:0C:8D:37:AB:AA:BC:56:B8:1A:A1:00:DC:95:89:70:DB
# Fingerprint (SHA1): 61:DB:8C:21:59:69:03:90:D8:7C:9C:12:86:54:CF:9D:3D:F4:DD:07
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "D-TRUST EV Root CA 1 2020"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\141\333\214\041\131\151\003\220\330\174\234\022\206\124\317\235
\075\364\335\007
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\214\055\235\160\237\110\231\021\006\021\373\351\313\060\300\156
END
CKA_ISSUER MULTILINE_OCTAL
\060\110\061\013\060\011\006\003\125\004\006\023\002\104\105\061
\025\060\023\006\003\125\004\012\023\014\104\055\124\162\165\163
\164\040\107\155\142\110\061\042\060\040\006\003\125\004\003\023
\031\104\055\124\122\125\123\124\040\105\126\040\122\157\157\164
\040\103\101\040\061\040\062\060\062\060
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\020\137\002\101\327\172\207\174\114\003\243\254\226\215\373
\377\320
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "DigiCert TLS ECC P384 Root G5"
#
# Issuer: CN=DigiCert TLS ECC P384 Root G5,O="DigiCert, Inc.",C=US

```

```
# Serial Number:09:e0:93:65:ac:f7:d9:c8:b9:3e:1c:0b:04:2a:2e:f3
# Subject: CN=DigiCert TLS ECC P384 Root G5,O="DigiCert, Inc.",C=US
# Not Valid Before: Fri Jan 15 00:00:00 2021
# Not Valid After : Sun Jan 14 23:59:59 2046
# Fingerprint (SHA-256):
01:8E:13:F0:77:25:32:CF:80:9B:D1:B1:72:81:86:72:83:FC:48:C6:E1:3B:E9:C6:98:12:85:4A:49:0C:1B:05
# Fingerprint (SHA1): 17:F3:DE:5E:9F:0F:19:E9:8E:F6:1F:32:26:6E:20:C4:07:AE:30:EE
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL
CK_FALSE
CKA_LABEL UTF8 "DigiCert TLS ECC P384 Root G5"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\116\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\027\060\025\006\003\125\004\012\023\016\104\151\147\151\103\145
\162\164\054\040\111\156\143\056\061\046\060\044\006\003\125\004
\003\023\035\104\151\147\151\103\145\162\164\040\124\114\123\040
\105\103\103\040\120\063\070\064\040\122\157\157\164\040\107\065
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\116\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\027\060\025\006\003\125\004\012\023\016\104\151\147\151\103\145
\162\164\054\040\111\156\143\056\061\046\060\044\006\003\125\004
\003\023\035\104\151\147\151\103\145\162\164\040\124\114\123\040
\105\103\103\040\120\063\070\064\040\122\157\157\164\040\107\065
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\011\340\223\145\254\367\331\310\271\076\034\013\004\052
\056\363
END
CKA_VALUE MULTILINE_OCTAL
\060\202\002\031\060\202\001\237\240\003\002\001\002\002\020\011
\340\223\145\254\367\331\310\271\076\034\013\004\052\056\363\060
\012\006\010\052\206\110\316\075\004\003\003\060\116\061\013\060
\011\006\003\125\004\006\023\002\125\123\061\027\060\025\006\003
\125\004\012\023\016\104\151\147\151\103\145\162\164\054\040\111
\156\143\056\061\046\060\044\006\003\125\004\003\023\035\104\151
\147\151\103\145\162\164\040\124\114\123\040\105\103\103\040\120
\063\070\064\040\122\157\157\164\040\107\065\060\036\027\015\062
\061\060\061\061\065\060\060\060\060\060\060\132\027\015\064\066
\060\061\061\064\062\063\065\071\065\071\132\060\116\061\013\060
\011\006\003\125\004\006\023\002\125\123\061\027\060\025\006\003
\125\004\012\023\016\104\151\147\151\103\145\162\164\054\040\111
\156\143\056\061\046\060\044\006\003\125\004\003\023\035\104\151
\147\151\103\145\162\164\040\124\114\123\040\105\103\103\040\120
```

```
\063\070\064\040\122\157\157\164\040\107\065\060\166\060\020\006
\007\052\206\110\316\075\002\001\006\005\053\201\004\000\042\003
\142\000\004\301\104\241\317\021\227\120\232\336\043\202\065\007
\315\320\313\030\235\322\361\177\167\065\117\073\335\224\162\122
\355\302\073\370\354\372\173\153\130\040\354\231\256\311\374\150
\263\165\271\333\011\354\310\023\365\116\306\012\035\146\060\114
\273\037\107\012\074\141\020\102\051\174\245\010\016\340\042\351
\323\065\150\316\233\143\237\204\265\231\115\130\240\216\365\124
\347\225\311\243\102\060\100\060\035\006\003\125\035\016\004\026
\004\024\301\121\105\120\131\253\076\347\054\132\372\040\042\022
\007\200\210\174\021\152\060\016\006\003\125\035\017\001\001\377
\004\004\003\002\001\206\060\017\006\003\125\035\023\001\001\377
\004\005\060\003\001\001\377\060\012\006\010\052\206\110\316\075
\004\003\003\003\150\000\060\145\002\061\000\211\152\215\107\347
\354\374\156\125\003\331\147\154\046\116\203\306\375\311\373\053
\023\274\267\172\214\264\145\322\151\151\143\023\143\073\046\120
\056\001\241\171\006\221\235\110\277\302\276\002\060\107\303\025
\173\261\240\221\231\111\223\250\074\174\350\106\006\213\054\362
\061\000\224\235\142\310\211\275\031\204\024\351\245\373\001\270
\015\166\103\214\056\123\313\174\337\014\027\226\120
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "DigiCert TLS ECC P384 Root G5"

Issuer: CN=DigiCert TLS ECC P384 Root G5,O="DigiCert, Inc.",C=US

Serial Number:09:e0:93:65:ac:f7:d9:c8:b9:3e:1c:0b:04:2a:2e:f3

Subject: CN=DigiCert TLS ECC P384 Root G5,O="DigiCert, Inc.",C=US

Not Valid Before: Fri Jan 15 00:00:00 2021

Not Valid After : Sun Jan 14 23:59:59 2046

Fingerprint (SHA-256):

01:8E:13:F0:77:25:32:CF:80:9B:D1:B1:72:81:86:72:83:FC:48:C6:E1:3B:E9:C6:98:12:85:4A:49:0C:1B:05

Fingerprint (SHA1): 17:F3:DE:5E:9F:0F:19:E9:8E:F6:1F:32:26:6E:20:C4:07:AE:30:EE

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "DigiCert

TLS ECC P384 Root G5"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\027\363\336\136\237\017\031\351\216\366\037\062\046\156\040\304
\007\256\060\356
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\323\161\004\152\103\034\333\246\131\341\250\243\252\305\161\355
```

END

```

CKA_ISSUER MULTILINE_OCTAL
\060\116\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\027\060\025\006\003\125\004\012\023\016\104\151\147\151\103\145
\162\164\054\040\111\156\143\056\061\046\060\044\006\003\125\004
\003\023\035\104\151\147\151\103\145\162\164\040\124\114\123\040
\105\103\103\040\120\063\070\064\040\122\157\157\164\040\107\065
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\011\340\223\145\254\367\331\310\271\076\034\013\004\052
\056\363
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "DigiCert TLS RSA4096 Root G5"
#
# Issuer:
  CN=DigiCert TLS RSA4096 Root G5,O="DigiCert, Inc.",C=US
# Serial Number:08:f9:b4:78:a8:fa:7e:da:6a:33:37:89:de:7c:cf:8a
# Subject: CN=DigiCert TLS RSA4096 Root G5,O="DigiCert, Inc.",C=US
# Not Valid Before: Fri Jan 15 00:00:00 2021
# Not Valid After : Sun Jan 14 23:59:59 2046
# Fingerprint (SHA-256):
37:1A:00:DC:05:33:B3:72:1A:7E:EB:40:E8:41:9E:70:79:9D:2B:0A:0F:2C:1D:80:69:31:65:F7:CE:C4:AD:75
# Fingerprint (SHA1): A7:88:49:DC:5D:7C:75:8C:8C:DE:39:98:56:B3:AA:D0:B2:A5:71:35
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "DigiCert TLS RSA4096 Root G5"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\115\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\027\060\025\006\003\125\004\012\023\016\104\151\147\151\103\145
\162\164\054\040\111\156\143\056\061\045\060\043\006\003\125\004
\003\023\034\104\151\147\151\103\145\162\164\040\124\114\123\040
\122\123\101\064\060\071\066\040\122\157\157\164\040\107\065
END
CKA_ID
  UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\115\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\027\060\025\006\003\125\004\012\023\016\104\151\147\151\103\145
\162\164\054\040\111\156\143\056\061\045\060\043\006\003\125\004
\003\023\034\104\151\147\151\103\145\162\164\040\124\114\123\040

```

\122\123\101\064\060\071\066\040\122\157\157\164\040\107\065
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\010\371\264\170\250\372\176\332\152\063\067\211\336\174
\317\212
END
CKA_VALUE MULTILINE_OCTAL
\060\202\005\146\060\202\003\116\240\003\002\001\002\002\020\010
\371\264\170\250\372\176\332\152\063\067\211\336\174\317\212\060
\015\006\011\052\206\110\206\367\015\001\001\014\005\000\060\115
\061\013\060\011\006\003\125\004\006\023\002\125\123\061\027\060
\025\006\003\125\004\012\023\016\104\151\147\151\103\145\162\164
\054\040\111\156\143\056\061\045\060\043\006\003\125\004\003\023
\034\104\151\147\151\103\145\162\164\040\124\114\123\040\122\123
\101\064\060\071\066\040\122\157\157\164\040\107\065\060\036\027
\015\062\061\060\061\061\065\060\060\060\060\060\060\132\027\015
\064\066\060\061\061\064\062\063\065\071\065\071\132\060\115\061
\013\060\011\006\003\125\004\006\023\002\125\123\061\027\060\025
\006\003\125\004\012\023\016\104\151\147\151\103\145\162\164\054
\040\111\156\143\056\061\045\060\043\006\003\125\004\003\023\034
\104\151\147\151\103\145\162\164\040\124\114\123\040\122\123\101
\064\060\071\066\040\122\157\157\164\040\107\065\060\202\002\042
\060\015\006\011\052\206\110\206\367\015\001\001\001\005\000\003
\202\002\017\000\060\202\002\012\002\202\002\001\000\263\320\364
\311\171\021\235\375\374\146\201\347\314\325\344\274\354\201\076
\152\065\216\056\267\347\336\257\371\007\115\317\060\235\352\011
\013\231\275\154\127\332\030\112\270\170\254\072\071\250\246\110
\254\056\162\345\275\353\361\032\315\347\244\003\251\077\021\264
\330\057\211\026\373\224\001\075\273\057\370\023\005\241\170\034
\216\050\340\105\340\203\364\131\033\225\263\256\176\003\105\345
\276\302\102\376\356\362\074\266\205\023\230\062\235\026\250\051
\302\013\034\070\334\237\061\167\134\277\047\243\374\047\254\267
\053\275\164\233\027\055\362\201\332\135\260\341\043\027\076\210
\112\022\043\320\352\317\235\336\003\027\261\102\112\240\026\114
\244\155\223\351\077\072\356\072\174\235\130\235\364\116\217\374
\073\043\310\155\270\342\005\332\314\353\354\303\061\364\327\247
\051\124\200\317\104\133\114\157\060\236\363\314\335\037\224\103
\235\115\177\160\160\015\324\072\321\067\360\154\235\233\300\024
\223\130\357\315\101\070\165\274\023\003\225\174\177\343\134\351
\325\015\325\342\174\020\142\252\153\360\075\166\363\077\243\350
\260\301\375\357\252\127\115\254\206\247\030\264\051\301\054\016
\277\144\276\051\214\330\002\055\315\134\057\362\177\357\025\364
\014\025\254\012\260\361\323\015\117\152\115\167\227\001\240\361
\146\267\267\316\357\316\354\354\245\165\312\254\343\341\143\367
\270\241\004\310\274\173\077\135\055\026\042\126\355\110\111\376
\247\057\171\060\045\233\272\153\055\077\235\073\304\027\347\035
\056\373\362\317\246\374\343\024\054\226\230\041\214\264\221\351
\031\140\203\362\060\053\006\163\120\325\230\073\006\351\307\212

\014\140\214\050\370\122\233\156\341\366\115\273\006\044\233\327
\053\046\077\375\052\057\161\365\326\044\276\177\061\236\017\155
\350\217\117\115\243\077\377\065\352\337\111\136\101\217\206\371
\361\167\171\113\033\264\243\136\057\373\106\002\320\146\023\136
\136\205\117\316\330\160\210\173\316\001\265\226\227\327\315\175
\375\202\370\302\044\301\312\001\071\117\215\242\301\024\100\037
\234\146\325\014\011\106\326\362\320\321\110\166\126\072\103\313
\266\012\021\071\272\214\023\154\006\265\236\317\353\002\003\001
\000\001\243\102\060\100\060\035\006\003\125\035\016\004\026\004
\024\121\063\034\355\066\100\257\027\323\045\315\151\150\362\257
\116\043\076\263\101\060\016\006\003\125\035\017\001\001\377\004
\004\003\002\001\206\060\017\006\003\125\035\023\001\001\377\004
\005\060\003\001\001\377\060\015\006\011\052\206\110\206\367\015
\001\001\014\005\000\003\202\002\001\000\140\246\257\133\137\127
\332\211\333\113\120\251\304\043\065\041\377\320\141\060\204\221
\267\077\020\317\045\216\311\277\106\064\331\301\041\046\034\160
\031\162\036\243\311\207\376\251\103\144\226\072\310\123\004\012
\266\101\273\304\107\000\331\237\030\030\073\262\016\363\064\352
\044\367\335\257\040\140\256\222\050\137\066\347\135\344\336\307
\074\333\120\071\255\273\075\050\115\226\174\166\306\133\364\301
\333\024\245\253\031\142\007\030\100\137\227\221\334\234\307\253
\265\121\015\346\151\123\125\314\071\175\332\305\021\125\162\305
\073\213\211\370\064\055\244\027\345\027\346\231\175\060\210\041
\067\315\060\027\075\270\362\274\250\165\240\103\334\076\211\113
\220\256\155\003\340\034\243\240\226\011\273\175\243\267\052\020
\104\113\106\007\064\143\355\061\271\004\356\243\233\232\256\346
\061\170\364\352\044\141\073\253\130\144\377\273\207\047\142\045
\201\337\334\241\057\366\355\247\377\172\217\121\056\060\370\244
\001\322\205\071\137\001\231\226\157\132\133\160\031\106\376\206
\140\076\255\200\020\011\335\071\045\057\130\177\273\322\164\360
\367\106\037\106\071\112\330\123\320\363\056\073\161\245\324\157
\374\363\147\344\007\217\335\046\031\341\215\133\372\243\223\021
\233\351\310\072\303\125\150\232\222\341\122\166\070\350\341\272
\275\373\117\325\357\263\347\110\203\061\360\202\041\343\266\276
\247\253\157\357\237\337\114\317\001\270\142\152\043\075\347\011
\115\200\033\173\060\244\303\335\007\177\064\276\244\046\262\366
\101\350\011\035\343\040\230\252\067\117\377\367\361\342\051\160
\061\107\077\164\320\024\026\372\041\212\002\325\212\011\224\167
\056\362\131\050\213\174\120\222\012\146\170\070\203\165\304\265
\132\250\021\306\345\301\235\146\125\317\123\304\257\327\165\205
\251\102\023\126\354\041\167\201\223\132\014\352\226\331\111\312
\241\010\362\227\073\155\233\004\030\044\104\216\174\001\362\334
\045\330\136\206\232\261\071\333\365\221\062\152\321\246\160\212
\242\367\336\244\105\205\046\250\036\214\135\051\133\310\113\330
\232\152\003\136\160\362\205\117\154\113\150\057\312\124\366\214
\332\062\376\303\153\203\077\070\306\176

END

CKA_NSS_MOZILLA_CA_POLICY

```

CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for "DigiCert TLS RSA4096 Root G5"
# Issuer: CN=DigiCert TLS RSA4096 Root G5,O="DigiCert, Inc.",C=US
# Serial Number:08:f9:b4:78:a8:fa:7e:da:6a:33:37:89:de:7c:cf:8a
# Subject: CN=DigiCert TLS RSA4096 Root G5,O="DigiCert, Inc.",C=US
# Not Valid Before: Fri Jan 15 00:00:00 2021
# Not Valid After : Sun Jan 14 23:59:59 2046
# Fingerprint (SHA-256):
37:1A:00:DC:05:33:B3:72:1A:7E:EB:40:E8:41:9E:70:79:9D:2B:0A:0F:2C:1D:80:69:31:65:F7:CE:C4:AD:75
# Fingerprint (SHA1): A7:88:49:DC:5D:7C:75:8C:8C:DE:39:98:56:B3:AA:D0:B2:A5:71:35
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL
UTF8 "DigiCert TLS RSA4096 Root G5"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\247\210\111\334\135\174\165\214\214\336\071\230\126\263\252\320
\262\245\161\065
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\254\376\367\064\226\251\362\263\264\022\113\344\047\101\157\341
END
CKA_ISSUER MULTILINE_OCTAL
\060\115\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\027\060\025\006\003\125\004\012\023\016\104\151\147\151\103\145
\162\164\054\040\111\156\143\056\061\045\060\043\006\003\125\004
\003\023\034\104\151\147\151\103\145\162\164\040\124\114\123\040
\122\123\101\064\060\071\066\040\122\157\157\164\040\107\065
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\010\371\264\170\250\372\176\332\152\063\067\211\336\174
\317\212
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "DigiCert SMIME ECC
P384 Root G5"
#
# Issuer: CN=DigiCert SMIME ECC P384 Root G5,O="DigiCert, Inc.",C=US
# Serial Number:05:3f:6e:a0:06:01:72:7d:ed:3f:c3:a3:b6:a3:d6:ef

```

```
# Subject: CN=DigiCert SMIME ECC P384 Root G5,O="DigiCert, Inc.",C=US
# Not Valid Before: Fri Jan 15 00:00:00 2021
# Not Valid After : Sun Jan 14 23:59:59 2046
# Fingerprint (SHA-256):
E8:E8:17:65:36:A6:0C:C2:C4:E1:01:87:C3:BE:FC:A2:0E:F2:63:49:70:18:F5:66:D5:BE:A0:F9:4D:0C:11:1B
# Fingerprint (SHA1): 1C:B8:A7:08:C9:0D:20:79:01:A0:B2:36:7F:F0:95:65:E4:53:24:FE
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "DigiCert SMIME ECC P384 Root G5"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\120\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\027\060\025\006\003\125\004\012\023\016\104\151\147\151\103\145
\162\164\054\040\111\156\143\056\061\050\060\046\006\003\125\004
\003\023\037\104\151\147\151\103\145\162\164\040\123\115\111\115
\105\040\105\103\103\040\120\063\070\064\040\122\157\157\164\040
\107\065
END
CKA_ID
UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\120\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\027\060\025\006\003\125\004\012\023\016\104\151\147\151\103\145
\162\164\054\040\111\156\143\056\061\050\060\046\006\003\125\004
\003\023\037\104\151\147\151\103\145\162\164\040\123\115\111\115
\105\040\105\103\103\040\120\063\070\064\040\122\157\157\164\040
\107\065
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\005\077\156\240\006\001\162\175\355\077\303\243\266\243
\326\357
END
CKA_VALUE MULTILINE_OCTAL
\060\202\002\034\060\202\001\243\240\003\002\001\002\002\020\005
\077\156\240\006\001\162\175\355\077\303\243\266\243\326\357\060
\012\006\010\052\206\110\316\075\004\003\003\060\120\061\013\060
\011\006\003\125\004\006\023\002\125\123\061\027\060\025\006\003
\125\004\012\023\016\104\151\147\151\103\145\162\164\054\040\111
\156\143\056\061\050\060\046\006\003\125\004\003\023\037\104\151
\147\151\103\145\162\164\040\123\115\111\115\105\040\105\103\103
\040\120\063\070\064\040\122\157\157\164\040\107\065\060\036\027
\015\062\061\060\061\061\065\060\060\060\060\060\060\132\027\015
\064\066\060\061\061\064\062\063\065\071\065\071\132\060\120\061
\013\060\011\006\003\125\004\006\023\002\125\123\061\027\060\025
\006\003\125\004\012\023\016\104\151\147\151\103\145\162\164\054
\040\111\156\143\056\061\050\060\046\006\003\125\004\003\023\037
```



```
\104\151\147\151\103\145\162\164\040\123\115\111\115\105\040\105
\103\103\040\120\063\070\064\040\122\157\157\164\040\107\065\060
\166\060\020\006\007\052\206\110\316\075\002\001\006\005\053\201
\004\000\042\003\142\000\004\026\235\125\345\266\324\373\373\147
\153\032\324\241\252\322\167\225\076\210\345\007\237\266\160\146
\040\050\244\210\354\160\065\257\263\062\377\067\023\112\236\274
\001\003\336\204\301\270\306\346\145\107\211\362\023\125\277\315
\245\036\010\140\177\255\177\350\141\222\051\317\011\107\136\013
\034\300\037\244\277\362\133\274\230\357\231\114\314\160\153\266
\272\320\050\035\277\276\004\243\102\060\100\060\035\006\003\125
\035\016\004\026\004\024\163\172\153\226\333\102\007\213\122\146
\302\144\062\027\376\340\147\220\056\255\060\016\006\003\125\035
\017\001\001\377\004\004\003\002\001\206\060\017\006\003\125\035
\023\001\001\377\004\005\060\003\001\001\377\060\012\006\010\052
\206\110\316\075\004\003\003\003\147\000\060\144\002\060\067\104
\365\062\200\343\161\353\364\155\317\174\314\221\232\303\156\161
\330\322\043\135\222\115\202\102\155\134\141\225\366\221\365\247
\010\366\152\227\351\234\224\055\230\160\375\063\266\011\002\060
\007\074\057\271\130\202\136\017\243\142\250\223\147\360\040\303
\151\277\003\054\073\120\247\073\257\101\070\311\122\110\221\326
\016\373\274\140\060\174\144\077\022\036\105\177\121\076\364\246
END
```

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "DigiCert

SMIME ECC P384 Root G5"

Issuer: CN=DigiCert SMIME ECC P384 Root G5,O="DigiCert, Inc.",C=US

Serial Number:05:3f:6e:a0:06:01:72:7d:ed:3f:c3:a3:b6:a3:d6:ef

Subject: CN=DigiCert SMIME ECC P384 Root G5,O="DigiCert, Inc.",C=US

Not Valid Before: Fri Jan 15 00:00:00 2021

Not Valid After : Sun Jan 14 23:59:59 2046

Fingerprint (SHA-256):

E8:E8:17:65:36:A6:0C:C2:C4:E1:01:87:C3:BE:FC:A2:0E:F2:63:49:70:18:F5:66:D5:BE:A0:F9:4D:0C:11:1B

Fingerprint (SHA1): 1C:B8:A7:08:C9:0D:20:79:01:A0:B2:36:7F:F0:95:65:E4:53:24:FE

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "DigiCert SMIME ECC P384 Root G5"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\034\270\247\010\311\015\040\171\001\240\262\066\177\360\225\145
\344\123\044\376
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\246\376\364\122\066\104\330\356\015\267\003\013\357\164\263\003
```

```

END
CKA_ISSUER MULTILINE_OCTAL
\060\120\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\027\060\025\006\003\125\004\012\023\016\104\151\147\151\103\145
\162\164\054\040\111\156\143\056\061\050\060\046\006\003\125\004
\003\023\037\104\151\147\151\103\145\162\164\040\123\115\111\115
\105\040\105\103\103\040\120\063\070\064\040\122\157\157\164\040
\107\065
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\020\005\077\156\240\006\001\162\175\355\077\303\243\266\243
\326\357
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "DigiCert SMIME RSA4096 Root G5"
#
# Issuer: CN=DigiCert SMIME RSA4096 Root G5,O="DigiCert, Inc.",C=US
# Serial Number:05:f6:ba:04:23:83:46:cb:7d:5c:e6:b9:5b:ba:1c:55
# Subject: CN=DigiCert SMIME RSA4096 Root G5,O="DigiCert, Inc.",C=US
# Not Valid Before: Fri Jan 15 00:00:00 2021
# Not Valid After : Sun Jan 14 23:59:59 2046
# Fingerprint (SHA-256):
90:37:0D:3E:FA:88:BF:58:C3:01:05:BA:25:10:4A:35:84:60:A7:FA:52:DF:C2:01:1D:F2:33:A0:F4:17:91:2A
#
Fingerprint (SHA1): 5B:C5:AD:E2:9A:A7:54:DA:84:89:53:A5:FE:D7:5B:46:86:D0:57:08
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "DigiCert SMIME RSA4096 Root G5"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\117\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\027\060\025\006\003\125\004\012\023\016\104\151\147\151\103\145
\162\164\054\040\111\156\143\056\061\047\060\045\006\003\125\004
\003\023\036\104\151\147\151\103\145\162\164\040\123\115\111\115
\105\040\122\123\101\064\060\071\066\040\122\157\157\164\040\107
\065
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\117\061\013\060\011\006\003\125\004\006\023\002\125\123\061

```

\027\060\025\006\003\125\004\012\023\016\104\151\147\151\103\145
\162\164\054\040\111\156\143\056\061\047\060\045\006\003\125\004
\003\023\036\104\151\147\151\103\145\162\164\040\123\115\111\115
\105\040\122\123\101\064\060\071\066\040\122\157\157\164\040\107
\065

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

\002\020\005\366\272\004\043\203\106\313\175\134\346\271\133\272
\034\125

END

CKA_VALUE MULTILINE_OCTAL

\060\202\005\152\060\202\003\122\240\003\002\001\002\002\020\005
\366\272\004\043\203\106\313\175\134\346\271\133\272\034\125\060
\015\006\011\052\206\110\206\367\015\001\001\014\005\000\060\117
\061\013\060\011\006\003\125\004\006\023\002\125\123\061\027\060
\025\006\003\125\004\012\023\016\104\151\147\151\103\145\162\164
\054\040\111\156\143\056\061\047\060\045\006\003\125\004\003\023
\036\104\151\147\151\103\145\162\164\040\123\115\111\115\105\040
\122\123\101\064\060\071\066\040\122\157\157\164\040\107\065\060
\036\027\015\062\061\060\061\061\065\060\060\060\060\060\132
\027\015\064\066\060\061\061\064\062\063\065\071\065\071\132\060
\117\061\013\060\011\006\003\125\004\006\023\002\125\123\061\027
\060\025\006\003\125\004\012\023\016\104\151\147\151\103\145\162
\164\054\040\111\156\143\056\061\047\060\045\006\003\125\004\003
\023\036\104\151\147\151\103\145\162\164\040\123\115\111\115\105
\040\122\123\101\064\060\071\066\040\122\157\157\164\040\107\065
\060\202\002\042\060\015\006\011\052\206\110\206\367\015\001\001
\001\005\000\003\202\002\017\000\060\202\002\012\002\202\002\001
\000\340\152\133\331\370\371\175\354\265\173\357\137\335\134\064
\330\332\135\321\313\145\165\253\041\174\133\000\324\202\157\105
\205\101\212\251\022\002\162\062\360\024\365\003\165\273\143\227
\111\017\100\231\013\032\036\126\247\322\320\341\253\335\345\004
\033\343\037\024\022\002\210\365\240\200\011\366\047\232\120\360
\272\343\242\340\254\152\024\221\265\153\070\020\172\242\061\341
\221\033\267\271\360\053\133\310\167\011\166\267\121\304\066\012
\231\123\124\104\045\267\011\065\206\027\005\126\223\075\101\267
\002\327\142\037\212\222\021\207\352\021\155\352\010\021\334\261
\170\110\111\222\366\264\121\200\170\043\330\376\341\126\032\072
\220\023\126\064\211\325\342\225\213\137\336\262\314\373\077\070
\267\205\367\352\236\277\056\241\056\057\115\175\152\021\056\066
\240\377\021\010\004\225\125\340\033\073\147\223\251\224\125\352
\062\355\006\072\177\302\177\343\255\023\047\321\064\101\263\060
\303\277\264\210\370\003\202\244\337\076\253\170\167\240\131\223
\161\347\335\353\000\004\173\314\110\071\050\340\036\243\025\151
\310\066\262\241\013\227\337\125\326\357\221\234\244\366\026\367
\121\012\356\003\043\221\334\004\377\340\335\070\366\042\003\000
\302\007\161\032\022\311\327\106\052\224\033\315\326\273\033\356

\277\276\115\120\130\260\013\315\060\166\051\365\317\345\266\152
\057\166\260\260\151\152\320\155\145\030\065\176\223\274\162\027
\301\125\102\315\057\302\045\273\364\375\035\241\144\042\124\135
\342\236\162\101\204\156\161\226\352\105\007\266\136\172\112\206
\235\163\144\167\070\003\322\017\123\245\125\040\304\115\377\150
\157\125\251\352\335\161\344\117\331\205\243\174\116\051\002\236
\013\011\362\032\123\314\000\246\335\321\064\366\015\301\060\261
\234\002\144\254\065\355\245\260\051\261\322\225\063\017\322\040
\063\275\354\043\113\362\031\371\332\230\144\344\054\061\037\056
\341\215\034\004\225\050\115\214\130\315\113\345\163\202\206\214
\354\250\326\171\134\373\144\273\334\014\114\050\366\027\257\342
\150\326\026\206\230\333\374\001\334\061\272\370\234\016\371\050
\106\112\341\375\226\006\105\171\021\150\027\145\134\213\046\207
\133\002\003\001\000\001\243\102\060\100\060\035\006\003\125\035
\016\004\026\004\024\321\243\324\127\035\117\125\333\165\114\134
\102\236\143\026\316\264\306\073\037\060\016\006\003\125\035\017
\001\001\377\004\004\003\002\001\206\060\017\006\003\125\035\023
\001\001\377\004\005\060\003\001\001\377\060\015\006\011\052\206
\110\206\367\015\001\001\014\005\000\003\202\002\001\000\007\247
\012\336\123\273\232\353\160\277\262\066\220\315\344\247\270\361
\014\344\135\132\035\170\145\374\311\270\036\043\021\127\174\151
\065\155\001\377\123\120\277\007\016\272\307\001\077\130\052\224
\165\003\253\034\013\043\334\033\212\036\067\075\035\130\217\163
\331\263\052\157\337\020\240\133\014\247\312\260\177\271\044\242
\001\065\062\345\136\106\101\353\330\177\163\347\102\351\244\121
\046\167\201\012\250\353\017\012\120\235\176\212\040\147\374\013
\216\072\021\323\305\214\140\030\331\113\261\374\324\361\264\111
\116\256\207\341\321\373\166\241\137\363\006\317\227\226\014\351
\236\165\201\134\123\015\042\374\066\346\111\156\164\333\000\205
\215\174\042\240\216\373\020\114\324\142\023\133\357\113\162\046
\213\374\116\212\217\376\227\020\123\305\170\213\102\144\033\137
\340\211\375\273\011\177\120\340\124\205\046\021\152\035\145\371
\111\051\334\174\066\337\373\075\367\322\254\356\062\215\156\246
\175\071\234\105\304\312\015\365\073\264\171\123\245\057\126\307
\121\305\212\114\144\135\220\103\043\216\153\114\027\170\314\350
\277\365\073\344\250\110\317\255\233\014\337\062\112\323\331\022
\216\043\170\015\055\257\237\257\236\074\011\302\227\000\355\072
\151\034\161\077\071\337\323\217\304\146\365\357\066\224\017\363
\335\222\266\226\137\220\246\335\163\252\246\040\224\224\045\152
\011\014\162\344\023\043\140\114\243\312\027\056\173\147\000\333
\320\315\352\172\037\071\046\127\211\060\167\313\116\345\225\105
\117\137\373\066\134\075\371\040\265\072\020\045\117\223\062\132
\356\301\226\350\351\126\004\260\111\141\115\354\170\250\235\030
\301\377\330\352\057\126\357\225\053\173\004\136\147\343\125\100
\355\071\004\371\013\171\365\152\214\134\017\211\232\220\307\315
\213\336\333\046\065\241\156\315\263\102\362\242\017\073\014\216
\223\377\024\317\374\367\223\367\344\101\010\156\031\122\021\017
\123\031\163\170\014\317\330\205\201\370\255\125\310\260\236\106

```
\143\257\234\122\356\134\277\360\300\133\067\036\011\040\322\076
\043\306\241\025\112\016\066\176\060\305\171\152\274\042\210\331
\014\122\100\037\335\116\017\147\046\026\322\255\027\034
END
```

```
CKA_NSS_MOZILLA_CA_POLICY
CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRICT_AFTER
CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE
```

```
# Trust for "DigiCert SMIME RSA4096 Root G5"
# Issuer: CN=DigiCert SMIME RSA4096 Root G5,O="DigiCert, Inc.",C=US
# Serial Number:05:f6:ba:04:23:83:46:cb:7d:5c:e6:b9:5b:ba:1c:55
# Subject: CN=DigiCert SMIME RSA4096 Root G5,O="DigiCert, Inc.",C=US
# Not Valid Before: Fri Jan 15 00:00:00 2021
# Not Valid After : Sun Jan 14 23:59:59 2046
# Fingerprint (SHA-256):
90:37:0D:3E:FA:88:BF:58:C3:01:05:BA:25:10:4A:35:84:60:A7:FA:52:DF:C2:01:1D:F2:33:A0:F4:17:91:2A
# Fingerprint (SHA1): 5B:C5:AD:E2:9A:A7:54:DA:84:89:53:A5:FE:D7:5B:46:86:D0:57:08
```

```
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "DigiCert SMIME RSA4096 Root G5"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\133\305\255\342\232\247\124\332\204\211\123\245\376\327\133\106
\206\320\127\010
END
```

```
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\321\173\340\265\077\065\162\237\175\276\013\245\244\035\251\156
END
```

```
CKA_ISSUER
MULTILINE_OCTAL
\060\117\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\027\060\025\006\003\125\004\012\023\016\104\151\147\151\103\145
\162\164\054\040\111\156\143\056\061\047\060\045\006\003\125\004
\003\023\036\104\151\147\151\103\145\162\164\040\123\115\111\115
\105\040\122\123\101\064\060\071\066\040\122\157\157\164\040\107
\065
END
```

```
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\005\366\272\004\043\203\106\313\175\134\346\271\133\272
\034\125
END
```

```
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
```

```

#
# Certificate "Certainly Root R1"
#
# Issuer: CN=Certainly Root R1,O=Certainly,C=US
# Serial Number:00:8e:0f:f9:4b:90:71:68:65:33:54:f4:d4:44:39:b7:e0
# Subject: CN=Certainly Root R1,O=Certainly,C=US
# Not Valid Before: Thu Apr 01 00:00:00 2021
# Not Valid After : Sun Apr 01 00:00:00 2046
#
Fingerprint (SHA-256):
77:B8:2C:D8:64:4C:43:05:F7:AC:C5:CB:15:6B:45:67:50:04:03:3D:51:C6:0C:62:02:A8:E0:C3:34:67:D3:A0
# Fingerprint (SHA1): A0:50:EE:0F:28:71:F4:27:B2:12:6D:6F:50:96:25:BA:CC:86:42:AF
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Certainly Root R1"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\075\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\022\060\020\006\003\125\004\012\023\011\103\145\162\164\141\151
\156\154\171\061\032\060\030\006\003\125\004\003\023\021\103\145
\162\164\141\151\156\154\171\040\122\157\157\164\040\122\061
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\075\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\022\060\020\006\003\125\004\012\023\011\103\145\162\164\141\151
\156\154\171\061\032\060\030\006\003\125\004\003\023\021\103\145
\162\164\141\151\156\154\171\040\122\157\157\164\040\122\061
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\021\000\216\017\371\113\220\161\150\145\063\124\364\324\104
\071\267\340
END
CKA_VALUE MULTILINE_OCTAL
\060\202\005\107\060\202\003\057\240\003\002\001\002\002\021\000
\216\017\371\113\220\161\150\145\063\124\364\324\104\071\267\340
\060\015\006\011\052\206\110\206\367\015\001\001\013\005\000\060
\075\061\013\060\011\006\003\125\004\006\023\002\125\123\061\022
\060\020\006\003\125\004\012\023\011\103\145\162\164\141\151\156
\154\171\061\032\060\030\006\003\125\004\003\023\021\103\145\162
\164\141\151\156\154\171\040\122\157\157\164\040\122\061\060\036
\027\015\062\061\060\064\060\061\060\060\060\060\060\060\132\027
\015\064\066\060\064\060\061\060\060\060\060\060\060\132\060\075
\061\013\060\011\006\003\125\004\006\023\002\125\123\061\022\060

```

\020\006\003\125\004\012\023\011\103\145\162\164\141\151\156\154
\171\061\032\060\030\006\003\125\004\003\023\021\103\145\162\164
\141\151\156\154\171\040\122\157\157\164\040\122\061\060\202\002
\042\060\015\006\011\052\206\110\206\367\015\001\001\001\005\000
\003\202\002\017\000\060\202\002\012\002\202\002\001\000\320\066
\324\037\352\335\253\344\321\266\346\373\042\300\335\023\015\152
\173\042\023\034\227\074\150\143\146\062\234\003\265\215\244\201
\203\332\170\060\021\317\334\262\053\276\222\277\216\344\304\023
\276\244\150\114\332\002\150\026\164\276\262\335\004\344\153\052
\335\067\037\140\054\333\365\367\241\174\225\267\014\160\206\056
\361\072\357\122\367\314\323\233\371\213\276\016\337\061\267\235
\150\134\222\246\365\345\363\012\064\265\377\173\242\344\207\241
\306\257\027\000\357\003\221\355\251\034\116\161\075\322\213\154
\211\364\170\206\346\152\111\240\316\265\322\260\253\233\366\364
\324\056\343\162\371\066\306\353\025\267\045\214\072\374\045\015
\263\042\163\041\164\310\112\226\141\222\365\057\013\030\245\364
\255\342\356\101\275\001\171\372\226\214\215\027\002\060\264\371
\257\170\032\214\264\066\020\020\007\005\160\320\364\061\220\212
\121\305\206\046\171\262\021\210\136\305\360\012\124\315\111\246
\277\002\234\322\104\247\355\343\170\357\106\136\155\161\321\171
\160\034\106\137\121\351\311\067\334\137\176\151\173\101\337\064
\105\340\073\204\364\241\212\012\066\236\067\314\142\122\341\211
\015\050\371\172\043\261\015\075\075\232\375\235\201\357\054\220
\300\173\104\116\273\111\340\016\112\126\222\274\313\265\335\171
\027\211\221\336\141\211\164\222\250\343\062\205\276\116\205\244
\113\131\313\053\305\170\216\161\124\320\002\067\231\214\345\111
\352\340\124\162\244\021\006\057\013\214\301\133\276\265\241\260
\123\156\234\270\140\221\037\131\153\371\055\364\224\012\227\265
\354\305\166\003\124\033\145\122\272\114\222\126\121\065\240\100
\330\051\333\256\122\166\073\055\060\100\233\212\320\102\126\264
\267\210\001\244\207\073\123\226\315\243\026\217\363\146\252\027
\261\307\140\340\301\103\005\014\356\233\133\140\157\006\134\207
\133\047\371\100\021\236\234\063\301\267\345\065\127\005\177\047
\316\027\040\214\034\374\361\373\332\061\051\111\355\365\013\204
\247\117\301\366\116\302\050\234\372\356\340\257\007\373\063\021
\172\041\117\013\041\020\266\100\072\253\042\072\004\234\213\233
\204\206\162\232\322\247\245\304\264\165\221\251\053\043\002\003
\001\000\001\243\102\060\100\060\016\006\003\125\035\017\001\001
\377\004\004\003\002\001\006\060\017\006\003\125\035\023\001\001
\377\004\005\060\003\001\001\377\060\035\006\003\125\035\016\004
\026\004\024\340\252\077\045\215\237\104\134\301\072\350\056\256
\167\114\204\076\147\014\364\060\015\006\011\052\206\110\206\367
\015\001\001\013\005\000\003\202\002\001\000\271\127\257\270\022
\332\127\203\217\150\013\063\035\003\123\125\364\225\160\344\053
\075\260\071\353\372\211\142\375\367\326\030\004\057\041\064\335
\361\150\360\325\226\132\336\302\200\243\301\215\306\152\367\131
\167\256\025\144\317\133\171\005\167\146\352\214\323\153\015\335
\361\131\054\301\063\245\060\200\025\105\007\105\032\061\042\266

\222\000\253\231\115\072\217\167\257\251\042\312\057\143\312\025
\326\307\306\360\075\154\374\034\015\230\020\141\236\021\242\042
\327\012\362\221\172\153\071\016\057\060\303\066\111\237\340\351
\017\002\104\120\067\224\125\175\352\237\366\073\272\224\245\114
\351\274\076\121\264\350\312\222\066\124\155\134\045\050\332\335
\255\024\375\323\356\342\042\005\353\320\362\267\150\022\327\132
\212\101\032\306\222\245\132\073\143\105\117\277\341\072\167\042
\057\134\277\106\371\132\003\205\023\102\137\312\336\123\327\142
\265\246\065\004\302\107\377\231\375\204\337\134\316\351\136\200
\050\101\362\175\347\036\220\330\117\166\076\202\074\015\374\245
\003\372\173\032\331\105\036\140\332\304\216\371\374\053\311\173
\225\305\052\377\252\211\337\202\061\017\162\377\014\047\327\012
\036\126\000\120\036\014\220\301\226\265\330\024\205\273\247\015
\026\301\370\007\044\033\272\205\241\032\005\011\200\272\225\143
\311\072\354\045\237\177\235\272\244\107\025\233\104\160\361\152
\113\326\070\136\103\363\030\176\120\156\351\132\050\346\145\346
\167\033\072\375\035\276\003\046\243\333\324\341\273\176\226\047
\053\035\356\244\373\332\045\124\023\003\336\071\306\303\037\115
\220\354\217\033\112\322\034\355\205\225\070\120\171\106\326\301
\220\120\061\251\134\232\156\035\365\063\126\213\247\231\322\362
\310\054\063\223\222\060\307\116\214\145\063\020\144\027\375\044
\027\226\321\215\302\072\152\053\353\023\213\104\362\041\363\112
\032\267\167\137\327\355\210\244\162\345\071\037\225\235\276\147
\301\160\021\075\273\364\370\111\267\343\046\227\072\237\322\137
\174\373\300\231\174\071\051\340\173\035\277\015\247\217\322\051
\064\156\044\025\313\336\220\136\277\032\304\146\352\302\346\272
\071\137\212\231\251\101\131\007\260\054\257

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "Certainly Root R1"

Issuer: CN=Certainly Root R1,O=Certainly,C=US

Serial Number:00:8e:0f:f9:4b:90:71:68:65:33:54:f4:d4:44:39:b7:e0

Subject: CN=Certainly Root R1,O=Certainly,C=US

Not

Valid Before: Thu Apr 01 00:00:00 2021

Not Valid After : Sun Apr 01 00:00:00 2046

Fingerprint (SHA-256):

77:B8:2C:D8:64:4C:43:05:F7:AC:C5:CB:15:6B:45:67:50:04:03:3D:51:C6:0C:62:02:A8:E0:C3:34:67:D3:A0

Fingerprint (SHA1): A0:50:EE:0F:28:71:F4:27:B2:12:6D:6F:50:96:25:BA:CC:86:42:AF

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "Certainly Root R1"


```

CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\240\120\356\017\050\161\364\047\262\022\155\157\120\226\045\272
\314\206\102\257
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\007\160\324\076\202\207\240\372\063\066\023\364\372\063\347\022
END
CKA_ISSUER MULTILINE_OCTAL
\060\075\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\022\060\020\006\003\125\004\012\023\011\103\145\162\164\141\151
\156\154\171\061\032\060\030\006\003\125\004\003\023\021\103\145
\162\164\141\151\156\154\171\040\122\157\157\164\040\122\061
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\021\000\216\017\371\113\220\161\150\145\063\124\364\324\104
\071\267\340
END
CKA_TRUST_SERVER_AUTH
CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "Certainly Root E1"
#
# Issuer: CN=Certainly Root E1,O=Certainly,C=US
# Serial Number:06:25:33:b1:47:03:33:27:5c:f9:8d:9a:b9:bf:cc:f8
# Subject: CN=Certainly Root E1,O=Certainly,C=US
# Not Valid Before: Thu Apr 01 00:00:00 2021
# Not Valid After : Sun Apr 01 00:00:00 2046
# Fingerprint (SHA-256):
B4:58:5F:22:E4:AC:75:6A:4E:86:12:A1:36:1C:5D:9D:03:1A:93:FD:84:FE:BB:77:8F:A3:06:8B:0F:C4:2D:C2
# Fingerprint (SHA1): F9:E1:6D:DC:01:89:CF:D5:82:45:63:3E:C5:37:7D:C2:EB:93:6F:2B
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Certainly Root E1"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE
CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\075\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\022\060\020\006\003\125\004\012\023\011\103\145\162\164\141\151
\156\154\171\061\032\060\030\006\003\125\004\003\023\021\103\145
\162\164\141\151\156\154\171\040\122\157\157\164\040\105\061
END
CKA_ID UTF8 "0"

```

CKA_ISSUER MULTILINE_OCTAL

\060\075\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\022\060\020\006\003\125\004\012\023\011\103\145\162\164\141\151
\156\154\171\061\032\060\030\006\003\125\004\003\023\021\103\145
\162\164\141\151\156\154\171\040\122\157\157\164\040\105\061

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\002\020\006\045\063\261\107\003\063\047\134\371\215\232\271\277
\314\370

END

CKA_VALUE MULTILINE_OCTAL

\060\202\001\367\060\202\001\175\240\003\002\001\002\002\020\006
\045\063\261\107\003\063\047\134\371\215\232\271\277\314\370\060
\012\006\010\052\206\110\316\075\004\003\003\060\075\061\013\060
\011\006\003\125\004\006\023\002\125\123\061\022\060\020\006\003
\125\004\012\023\011\103\145\162\164\141\151\156\154\171\061\032
\060\030\006\003\125\004\003\023\021\103\145\162\164\141\151\156
\154\171\040\122\157\157\164\040\105\061\060\036\027\015\062\061
\060\064\060\061\060\060\060\060\060\060\132\027\015\064\066\060
\064\060\061\060\060\060\060\060\060\132\060\075\061\013\060\011
\006\003\125\004\006\023\002\125\123\061\022\060\020\006\003\125
\004\012\023\011\103\145\162\164\141\151\156\154\171\061\032\060
\030\006\003\125\004\003\023\021\103\145\162\164\141\151\156\154
\171\040\122\157\157\164\040\105\061\060\166\060\020\006\007\052
\206\110\316\075\002\001\006\005\053\201\004\000\042\003\142\000
\004\336\157\370\177\034\337\355\371\107\207\206\261\244\300\212
\370\202\227\200\352\217\310\112\136\052\175\210\150\247\001\142
\024\221\044\172\134\236\243\027\175\212\206\041\064\030\120\033
\020\336\320\067\113\046\307\031\140\200\351\064\275\140\031\066
\100\326\051\207\011\074\221\172\366\274\023\043\335\131\116\004
\136\317\310\002\034\030\123\301\061\330\332\040\351\104\215\344
\166\243\102\060\100\060\016\006\003\125\035\017\001\001\377\004
\004\003\002\001\006\060\017\006\003\125\035\023\001\001\377\004
\005\060\003\001\001\377\060\035\006\003\125\035\016\004\026\004
\024\363\050\030\313\144\165\356\051\052\353\355\256\043\130\070
\205\353\310\042\007\060\012\006\010\052\206\110\316\075\004\003
\003\003\150\000\060\145\002\061\000\261\216\132\040\303\262\031
\142\115\336\260\117\337\156\322\160\212\361\237\176\152\214\346
\272\336\203\151\312\151\263\251\005\265\226\222\027\207\302\322
\352\320\173\316\330\101\133\174\256\002\060\106\336\352\313\135
\232\354\062\302\145\026\260\114\060\134\060\363\332\116\163\206
\006\330\316\211\004\110\067\067\370\335\063\121\235\160\257\173
\125\330\001\056\175\005\144\016\206\270\221

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

```

# Trust for "Certainly Root E1"
# Issuer: CN=Certainly
  Root E1,O=Certainly,C=US
# Serial Number:06:25:33:b1:47:03:33:27:5c:f9:8d:9a:b9:bf:cc:f8
# Subject: CN=Certainly Root E1,O=Certainly,C=US
# Not Valid Before: Thu Apr 01 00:00:00 2021
# Not Valid After : Sun Apr 01 00:00:00 2046
# Fingerprint (SHA-256):
B4:58:5F:22:E4:AC:75:6A:4E:86:12:A1:36:1C:5D:9D:03:1A:93:FD:84:FE:BB:77:8F:A3:06:8B:0F:C4:2D:C2
# Fingerprint (SHA1): F9:E1:6D:DC:01:89:CF:D5:82:45:63:3E:C5:37:7D:C2:EB:93:6F:2B
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Certainly Root E1"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\371\341\155\334\001\211\317\325\202\105\143\076\305\067\175\302
\353\223\157\053
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\012\236\312\315\076\122\120\306\066\363\113\243\355\247\123\351
END
CKA_ISSUER MULTILINE_OCTAL
\060\075\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\022\060\020\006\003\125\004\012\023\011\103\145\162\164\141\151
\156\154\171\061\032\060\030\006\003\125\004\003\023\021\103\145
\162\164\141\151\156\154\171\040\122\157\157\164\040\105\061
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\020\006\045\063\261\107\003\063\047\134\371\215\232\271\277
\314\370
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "E-Tugra Global Root CA RSA v3"
#
# Issuer: CN=E-Tugra Global Root CA RSA v3,OU=E-Tugra Trust Center,O=E-Tugra EBG A.S.,L=Ankara,C=TR
# Serial Number:0d:4d:c5:cd:16:22:95:96:08:7e:b8:0b:7f:15:06:34:fb:79:10:34
# Subject: CN=E-Tugra Global Root CA RSA v3,OU=E-Tugra Trust Center,O=E-Tugra EBG
A.S.,L=Ankara,C=TR
# Not Valid Before: Wed Mar 18 09:07:17 2020
# Not Valid After : Sun Mar 12 09:07:17 2045

```

```
# Fingerprint (SHA-256):
EF:66:B0:B1:0A:3C:DB:9F:2E:36:48:C7:6B:D2:AF:18:EA:D2:BF:E6:F1:17:65:5E:28:C4:06:0D:A1:A3:F4:C2
# Fingerprint (SHA1):
E9:A8:5D:22:14:52:1C:5B:AA:0A:B4:BE:24:6A:23:8A:C9:BA:E2:A9
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "E-Tugra Global Root CA RSA v3"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\200\061\013\060\011\006\003\125\004\006\023\002\124\122
\061\017\060\015\006\003\125\004\007\023\006\101\156\153\141\162
\141\061\031\060\027\006\003\125\004\012\023\020\105\055\124\165
\147\162\141\040\105\102\107\040\101\056\123\056\061\035\060\033
\006\003\125\004\013\023\024\105\055\124\165\147\162\141\040\124
\162\165\163\164\040\103\145\156\164\145\162\061\046\060\044\006
\003\125\004\003\023\035\105\055\124\165\147\162\141\040\107\154
\157\142\141\154\040\122\157\157\164\040\103\101\040\122\123\101
\040\166\063
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\201\200\061\013\060\011\006\003\125\004\006\023\002\124\122
\061\017\060\015\006\003\125\004\007\023\006\101\156\153\141\162
\141\061\031\060\027\006\003\125\004\012\023\020\105\055\124\165
\147\162\141\040\105\102\107\040\101\056\123\056\061\035\060\033
\006\003\125\004\013\023\024\105\055\124\165\147\162\141\040\124
\162\165\163\164\040\103\145\156\164\145\162\061\046\060\044\006
\003\125\004\003\023\035\105\055\124\165\147\162\141\040\107\154
\157\142\141\154\040\122\157\157\164\040\103\101\040\122\123\101
\040\166\063
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\024\015\115\305\315\026\042\225\226\010\176\270\013\177\025
\006\064\373\171\020\064
END
CKA_VALUE MULTILINE_OCTAL
\060\202\005\363\060\202\003\333\240\003\002\001\002\002\024\015
\115\305\315\026\042\225\226\010\176\270\013\177\025\006\064\373
\171\020\064\060\015\006\011\052\206\110\206\367\015\001\001\013
\005\000\060\201\200\061\013\060\011\006\003\125\004\006\023\002
\124\122\061\017\060\015\006\003\125\004\007\023\006\101\156\153
\141\162\141\061\031\060\027\006\003\125\004\012\023\020\105\055
\124\165\147\162\141\040\105\102\107\040\101\056\123\056\061\035
\060\033\006\003\125\004\013\023\024\105\055\124\165\147\162\141
\040\124\162\165\163\164\040\103\145\156\164\145\162\061\046\060
```

\044\006\003\125\004\003\023\035\105\055\124\165\147\162\141\040
\107\154\157\142\141\154\040\122\157\157\164\040\103\101\040\122
\123\101\040\166\063\060\036\027\015\062\060\060\063\061\070\060
\071\060\067\061\067\132\027\015\064\065\060\063\061\062\060\071
\060\067\061\067\132\060\201\200\061\013\060\011\006\003\125\004
\006\023\002\124\122\061\017\060\015\006\003\125\004\007\023\006
\101\156\153\141\162\141\061\031\060\027\006\003\125\004\012\023
\020\105\055\124\165\147\162\141\040\105\102\107\040\101\056\123
\056\061\035\060\033\006\003\125\004\013\023\024\105\055\124\165
\147\162\141\040\124\162\165\163\164\040\103\145\156\164\145\162
\061\046\060\044\006\003\125\004\003\023\035\105\055\124\165\147
\162\141\040\107\154\157\142\141\154\040\122\157\157\164\040\103
\101\040\122\123\101\040\166\063\060\202\002\042\060\015\006\011
\052\206\110\206\367\015\001\001\001\005\000\003\202\002\017\000
\060\202\002\012\002\202\002\001\000\242\146\360\211\267\162\173
\356\011\311\143\322\323\103\335\136\303\246\204\070\112\361\215
\201\273\024\275\107\350\100\027\363\075\303\170\105\162\246\056
\220\336\232\072\324\040\161\312\274\237\035\113\227\012\307\061
\272\076\327\376\045\251\052\216\066\364\321\057\307\267\251\135
\063\334\060\160\370\100\154\113\262\246\061\141\321\064\074\075
\061\172\307\257\304\247\247\204\341\227\244\350\113\366\027\174
\356\074\007\355\342\212\127\334\266\373\370\103\045\120\352\047
\201\250\206\274\217\122\112\226\072\140\032\226\273\375\163\364
\205\375\203\375\177\204\155\064\154\177\152\267\113\001\003\277
\255\151\267\327\062\331\365\127\152\351\206\202\076\245\146\061
\263\026\075\302\363\046\140\062\323\122\036\260\154\244\067\076
\364\365\257\353\341\337\200\006\317\052\101\347\146\011\341\113
\227\347\167\275\041\155\051\266\147\303\055\176\355\326\171\145
\321\317\072\266\321\261\136\126\141\120\172\132\316\116\120\061
\200\003\230\107\347\344\030\174\104\132\306\244\263\073\306\306
\303\072\360\154\303\213\310\244\221\005\363\365\331\266\252\006
\241\267\253\344\261\352\041\024\134\203\244\374\377\266\120\323
\214\022\046\231\166\160\351\300\017\246\164\374\273\320\033\170
\316\162\222\342\050\234\274\346\351\011\330\072\323\211\346\276
\056\167\337\001\012\157\226\366\345\215\074\115\122\166\032\126
\341\163\176\027\254\075\255\154\243\122\022\030\160\346\200\116
\063\362\176\046\062\254\005\215\070\244\346\166\074\237\020\151
\016\155\235\322\301\171\040\153\133\317\063\215\321\224\166\065
\347\135\125\307\267\254\050\253\106\314\347\073\041\265\012\012
\344\112\131\334\201\065\113\104\225\022\012\147\245\241\377\133
\000\007\322\300\314\371\077\374\237\063\362\000\370\214\154\207
\235\006\055\361\357\343\346\006\372\305\146\023\133\374\120\007
\236\161\206\262\332\157\164\060\317\223\123\350\334\042\326\336
\040\037\141\215\243\056\243\170\062\220\154\334\254\062\265\005
\344\365\074\063\015\326\340\207\167\027\114\235\260\330\011\250
\015\127\367\104\205\360\310\004\276\134\135\132\343\027\216\124
\143\151\177\111\164\144\005\214\243\002\003\001\000\001\243\143
\060\141\060\017\006\003\125\035\023\001\001\377\004\005\060\003

\001\001\377\060\037\006\003\125\035\043\004\030\060\026\200\024
\262\264\256\346\055\367\046\325\252\165\055\166\113\300\033\123
\041\320\110\357\060\035\006\003\125\035\016\004\026\004\024\262
\264\256\346\055\367\046\325\252\165\055\166\113\300\033\123\041
\320\110\357\060\016\006\003\125\035\017\001\001\377\004\004\003
\002\001\006\060\015\006\011\052\206\110\206\367\015\001\001\013
\005\000\003\202\002\001\000\211\250\162\177\214\353\316\056\030
\304\020\200\055\020\014\377\373\024\315\004\340\024\074\116\232
\373\237\051\277\042\236\127\271\202\163\022\143\046\265\314\220
\351\322\052\051\356\234\055\314\054\231\276\105\047\344\261\161
\355\344\070\225\061\101\362\175\172\143\170\337\312\066\026\057
\202\210\237\274\021\107\117\166\115\310\055\216\353\337\055\174
\116\073\332\256\366\343\332\135\024\246\256\350\205\104\235\006
\156\216\373\357\172\112\152\055\053\050\030\376\277\220\054\165
\026\237\017\352\226\175\005\356\233\023\245\104\154\370\003\320
\335\043\341\375\003\022\022\010\364\030\064\263\340\067\013\167
\021\001\110\277\141\264\265\370\031\331\313\115\352\243\214\357
\375\360\006\265\155\222\364\112\141\120\204\355\354\111\323\344
\276\150\346\056\343\061\013\124\013\032\222\326\202\330\266\242
\145\074\146\004\371\125\332\154\373\333\265\024\146\115\224\203
\073\315\036\246\053\262\376\167\100\206\253\347\337\012\311\375
\366\335\207\126\030\330\260\054\125\140\226\372\010\176\122\220
\365\113\246\056\207\174\313\040\333\006\076\240\135\003\167\175
\242\074\023\033\051\242\023\125\240\075\024\042\257\157\270\320
\232\033\162\335\005\001\215\206\140\277\244\147\356\265\245\015
\321\177\346\032\053\142\146\303\007\272\347\240\110\034\070\303
\351\105\373\247\177\374\355\002\150\032\312\167\022\167\246\000
\125\050\024\354\326\307\022\242\033\145\102\351\221\350\313\076
\207\211\124\135\331\257\235\227\234\151\347\012\377\017\132\170
\213\143\052\114\175\107\224\077\336\113\351\123\320\060\361\305
\366\236\111\337\073\240\221\243\243\376\315\130\314\352\337\257
\157\050\073\240\151\233\217\354\254\256\053\124\235\233\004\261
\107\040\257\226\022\076\143\224\035\004\347\056\273\206\307\014
\232\210\277\166\107\357\367\260\013\227\146\322\104\317\140\122
\007\341\325\054\112\072\047\141\167\312\327\217\347\207\016\060
\377\014\273\004\342\141\303\242\310\227\141\216\264\060\152\074
\155\302\007\137\112\163\057\077\371\026\212\001\146\357\272\221
\312\122\127\173\256\324\346\017\335\013\172\177\213\236\046\040
\317\073\357\201\161\203\131

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "E-Tugra Global Root CA RSA v3"

Issuer: CN=E-Tugra

```
Global Root CA RSA v3,OU=E-Tugra Trust Center,O=E-Tugra EBG A.S.,L=Ankara,C=TR
# Serial Number:0d:4d:c5:cd:16:22:95:96:08:7e:b8:0b:7f:15:06:34:fb:79:10:34
# Subject: CN=E-Tugra Global Root CA RSA v3,OU=E-Tugra Trust Center,O=E-Tugra EBG
A.S.,L=Ankara,C=TR
# Not Valid Before: Wed Mar 18 09:07:17 2020
# Not Valid After : Sun Mar 12 09:07:17 2045
# Fingerprint (SHA-256):
EF:66:B0:B1:0A:3C:DB:9F:2E:36:48:C7:6B:D2:AF:18:EA:D2:BF:E6:F1:17:65:5E:28:C4:06:0D:A1:A3:F4:C2
# Fingerprint (SHA1): E9:A8:5D:22:14:52:1C:5B:AA:0A:B4:BE:24:6A:23:8A:C9:BA:E2:A9
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "E-Tugra Global Root CA RSA v3"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\351\250\135\042\024\122\034\133\252\012\264\276\044\152\043\212
\311\272\342\251
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\042\276\020\366\302\370\003\210\163\137\063\051\107\050\107\244
END
CKA_ISSUER MULTILINE_OCTAL
\060\201\200\061\013\060\011\006\003\125\004\006\023\002\124\122
\061\017\060\015\006\003\125\004\007\023\006\101\156\153\141\162
\141\061\031\060\027\006\003\125\004\012\023\020\105\055\124\165
\147\162\141\040\105\102\107\040\101\056\123\056\061\035\060\033
\006\003\125\004\013\023\024\105\055\124\165\147\162\141\040\124
\162\165\163\164\040\103\145\156\164\145\162\061\046\060\044\006
\003\125\004\003\023\035\105\055\124\165\147\162\141\040\107\154
\157\142\141\154\040\122\157\157\164\040\103\101\040\122\123\101
\040\166\063
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\024\015\115\305\315\026\042\225\226\010\176\270\013\177\025
\006\064\373\171\020\064
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "E-Tugra Global Root CA ECC v3"
#
# Issuer: CN=E-Tugra Global Root CA ECC v3,OU=E-Tugra Trust Center,O=E-Tugra EBG
A.S.,L=Ankara,C=TR
# Serial Number:26:46:19:77:31:e1:4f:6f:28:36:de:39:51:86:e6:d4:97:88:22:c1
```

```
# Subject: CN=E-Tugra Global Root CA ECC v3,OU=E-Tugra Trust Center,O=E-Tugra EBG
A.S.,L=Ankara,C=TR
# Not Valid Before: Wed Mar 18 09:46:58 2020
# Not Valid After : Sun Mar 12 09:46:58 2045
# Fingerprint (SHA-256):
87:3F:46:85:FA:7F:56:36:25:25:2E:6D:36:BC:D7:F1:6F:C2:49:51:F2:64:E4:7E:1B:95:4F:49:08:CD:CA:13
# Fingerprint (SHA1): 8A:2F:AF:57:53:B1:B0:E6:A1:04:EC:5B:6A:69:71:6D:F6:1C:E2:84
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "E-Tugra Global Root CA ECC v3"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\200\061\013\060\011\006\003\125\004\006\023\002\124\122
\061\017\060\015\006\003\125\004\007\023\006\101\156\153\141\162
\141\061\031\060\027\006\003\125\004\012\023\020\105\055\124\165
\147\162\141\040\105\102\107\040\101\056\123\056\061\035\060\033
\006\003\125\004\013\023\024\105\055\124\165\147\162\141\040\124
\162\165\163\164\040\103\145\156\164\145\162\061\046\060\044\006
\003\125\004\003\023\035\105\055\124\165\147\162\141\040\107\154
\157\142\141\154\040\122\157\157\164\040\103\101\040\105\103\103
\040\166\063
END
CKA_ID
UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\201\200\061\013\060\011\006\003\125\004\006\023\002\124\122
\061\017\060\015\006\003\125\004\007\023\006\101\156\153\141\162
\141\061\031\060\027\006\003\125\004\012\023\020\105\055\124\165
\147\162\141\040\105\102\107\040\101\056\123\056\061\035\060\033
\006\003\125\004\013\023\024\105\055\124\165\147\162\141\040\124
\162\165\163\164\040\103\145\156\164\145\162\061\046\060\044\006
\003\125\004\003\023\035\105\055\124\165\147\162\141\040\107\154
\157\142\141\154\040\122\157\157\164\040\103\101\040\105\103\103
\040\166\063
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\024\046\106\031\167\061\341\117\157\050\066\336\071\121\206
\346\324\227\210\042\301
END
CKA_VALUE
MULTILINE_OCTAL
\060\202\002\245\060\202\002\052\240\003\002\001\002\002\024\046
\106\031\167\061\341\117\157\050\066\336\071\121\206\346\324\227
\210\042\301\060\012\006\010\052\206\110\316\075\004\003\003\060
\201\200\061\013\060\011\006\003\125\004\006\023\002\124\122\061
\017\060\015\006\003\125\004\007\023\006\101\156\153\141\162\141
```


\061\031\060\027\006\003\125\004\012\023\020\105\055\124\165\147
\162\141\040\105\102\107\040\101\056\123\056\061\035\060\033\006
\003\125\004\013\023\024\105\055\124\165\147\162\141\040\124\162
\165\163\164\040\103\145\156\164\145\162\061\046\060\044\006\003
\125\004\003\023\035\105\055\124\165\147\162\141\040\107\154\157
\142\141\154\040\122\157\157\164\040\103\101\040\105\103\103\040
\166\063\060\036\027\015\062\060\060\063\061\070\060\071\064\066
\065\070\132\027\015\064\065\060\063\061\062\060\071\064\066\065
\070\132\060\201\200\061\013\060\011\006\003\125\004\006\023\002
\124\122\061\017\060\015\006\003\125\004\007\023\006\101\156\153
\141\162\141\061\031\060\027\006\003\125\004\012\023\020\105\055
\124\165\147\162\141\040\105\102\107\040\101\056\123\056\061\035
\060\033\006\003\125\004\013\023\024\105\055\124\165\147\162\141
\040\124\162\165\163\164\040\103\145\156\164\145\162\061\046\060
\044\006\003\125\004\003\023\035\105\055\124\165\147\162\141\040
\107\154\157\142\141\154\040\122\157\157\164\040\103\101\040\105
\103\103\040\166\063\060\166\060\020\006\007\052\206\110\316\075
\002\001\006\005\053\201\004\000\042\003\142\000\004\216\230\051
\277\307\020\036\047\333\253\003\314\050\054\330\136\110\031\020
\051\314\313\131\201\314\214\270\222\027\211\203\052\222\366\303
\244\035\114\142\325\237\326\240\106\334\034\274\166\301\343\107
\320\133\023\332\347\245\263\146\110\347\041\232\112\117\206\012
\175\154\352\115\062\200\012\262\172\011\233\151\113\230\201\342
\056\354\002\160\226\037\375\365\106\316\312\334\202\243\143\060
\141\060\017\006\003\125\035\023\001\001\377\004\005\060\003\001
\001\377\060\037\006\003\125\035\043\004\030\060\026\200\024\377
\202\061\162\076\371\304\146\154\255\070\236\321\260\121\210\245
\220\314\365\060\035\006\003\125\035\016\004\026\004\024\377\202
\061\162\076\371\304\146\154\255\070\236\321\260\121\210\245\220
\314\365\060\016\006\003\125\035\017\001\001\377\004\004\003\002
\001\006\060\012\006\010\052\206\110\316\075\004\003\003\003\151
\000\060\146\002\061\000\346\005\130\151\141\345\055\312\015\313
\361\031\010\275\326\375\121\222\032\176\143\124\004\220\221\232
\065\221\071\231\372\007\251\146\223\272\310\150\324\212\077\372
\355\156\026\002\047\267\002\061\000\335\132\027\053\166\035\145
\102\226\246\254\135\212\171\126\330\212\033\337\232\336\137\307
\120\217\261\133\161\014\046\337\152\100\000\354\063\221\041\161
\276\150\344\043\244\331\255\241\067

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "E-Tugra Global Root CA ECC v3"

Issuer: CN=E-Tugra Global

Root CA ECC v3,OU=E-Tugra Trust Center,O=E-Tugra EBG A.S.,L=Ankara,C=TR

Serial Number:26:46:19:77:31:e1:4f:6f:28:36:de:39:51:86:e6:d4:97:88:22:c1

```
# Subject: CN=E-Tugra Global Root CA ECC v3,OU=E-Tugra Trust Center,O=E-Tugra EBG
A.S.,L=Ankara,C=TR
# Not Valid Before: Wed Mar 18 09:46:58 2020
# Not Valid After : Sun Mar 12 09:46:58 2045
# Fingerprint (SHA-256):
87:3F:46:85:FA:7F:56:36:25:25:2E:6D:36:BC:D7:F1:6F:C2:49:51:F2:64:E4:7E:1B:95:4F:49:08:CD:CA:13
# Fingerprint (SHA1): 8A:2F:AF:57:53:B1:B0:E6:A1:04:EC:5B:6A:69:71:6D:F6:1C:E2:84
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "E-Tugra Global Root CA ECC v3"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\212\057\257\127\123\261\260\346\241\004\354\133\152\151\161\155
\366\034\342\204
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\106\274\201\273\361\265\036\367\113\226\274\024\342\347\047\144
END
CKA_ISSUER MULTILINE_OCTAL
\060\201\200\061\013\060\011\006\003\125\004\006\023\002\124\122
\061\017\060\015\006\003\125\004\007\023\006\101\156\153\141\162
\141\061\031\060\027\006\003\125\004\012\023\020\105\055\124\165
\147\162\141\040\105\102\107\040\101\056\123\056\061\035\060\033
\006\003\125\004\013\023\024\105\055\124\165\147\162\141\040\124
\162\165\163\164\040\103\145\156\164\145\162\061\046\060\044\006
\003\125\004\003\023\035\105\055\124\165\147\162\141\040\107\154
\157\142\141\154\040\122\157\157\164\040\103\101\040\105\103\103
\040\166\063
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\024\046\106\031\167\061\341\117\157\050\066\336\071\121\206
\346\324\227\210\042\301
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "DIGITALSIGN GLOBAL ROOT RSA CA"
#
# Issuer: CN=DIGITALSIGN GLOBAL ROOT RSA CA,O=DigitalSign Certificadora Digital,C=PT
# Serial
Number:5d:59:c8:ca:ab:09:57:f5:e6:b5:da:29:94:04:6a:ff:c5:d4:95:87
# Subject: CN=DIGITALSIGN GLOBAL ROOT RSA CA,O=DigitalSign Certificadora Digital,C=PT
# Not Valid Before: Thu Jan 21 10:50:34 2021
```

```
# Not Valid After : Mon Jan 15 10:50:34 2046
# Fingerprint (SHA-256):
82:BD:5D:85:1A:CF:7F:6E:1B:A7:BF:CB:C5:30:30:D0:E7:BC:3C:21:DF:77:2D:85:8C:AB:41:D1:99:BD:F5:95
# Fingerprint (SHA1): B9:82:07:97:AE:52:A5:68:6F:46:07:DF:FD:03:72:3D:92:86:88:2D
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "DIGITALSIGN GLOBAL ROOT RSA CA"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\142\061\013\060\011\006\003\125\004\006\023\002\120\124\061
\052\060\050\006\003\125\004\012\014\041\104\151\147\151\164\141
\154\123\151\147\156\040\103\145\162\164\151\146\151\143\141\144
\157\162\141\040\104\151\147\151\164\141\154\061\047\060\045\006
\003\125\004\003\014\036\104\111\107\111\124\101\114\123\111\107
\116\040\107\114\117\102\101\114\040\122\117\117\124\040\122\123
\101\040\103\101
END
CKA_ID
UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\142\061\013\060\011\006\003\125\004\006\023\002\120\124\061
\052\060\050\006\003\125\004\012\014\041\104\151\147\151\164\141
\154\123\151\147\156\040\103\145\162\164\151\146\151\143\141\144
\157\162\141\040\104\151\147\151\164\141\154\061\047\060\045\006
\003\125\004\003\014\036\104\111\107\111\124\101\114\123\111\107
\116\040\107\114\117\102\101\114\040\122\117\117\124\040\122\123
\101\040\103\101
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\024\135\131\310\312\253\011\127\365\346\265\332\051\224\004
\152\377\305\324\225\207
END
CKA_VALUE MULTILINE_OCTAL
\060\202\005\265\060\202\003\235\240\003\002\001\002\002\024\135
\131\310\312\253\011\127\365\346\265\332\051\224\004\152\377\305
\324\225\207\060\015\006\011\052\206\110\206\367\015\001\001\015
\005\000\060\142\061\013\060\011\006\003\125\004\006\023\002\120
\124\061\052\060\050\006\003\125\004\012\014\041\104\151\147\151
\164\141\154\123\151\147\156\040\103\145\162\164\151\146\151\143
\141\144\157\162\141\040\104\151\147\151\164\141\154\061\047\060
\045\006\003\125\004\003\014\036\104\111\107\111\124\101\114\123
\111\107\116\040\107\114\117\102\101\114\040\122\117\117\124\040
\122\123\101\040\103\101\060\036\027\015\062\061\060\061\062\061
\061\060\065\060\063\064\132\027\015\064\066\060\061\061\065\061
\060\065\060\063\064\132\060\142\061\013\060\011\006\003\125\004
\006\023\002\120\124\061\052\060\050\006\003\125\004\012\014\041
```

\104\151\147\151\164\141\154\123\151\147\156\040\103\145\162\164
\151\146\151\143\141\144\157\162\141\040\104\151\147\151\164\141
\154\061\047\060\045\006\003\125\004\003\014\036\104\111\107\111
\124\101\114\123\111\107\116\040\107\114\117\102\101\114\040\122
\117\117\124\040\122\123\101\040\103\101\060\202\002\042\060\015
\006\011\052\206\110\206\367\015\001\001\001\005\000\003\202\002
\017\000\060\202\002\012\002\202\002\001\000\310\207\266\070\323
\034\360\336\022\370\203\307\304\212\342\211\270\264\042\172\170
\370\014\146\121\150\166\067\012\325\117\302\132\010\270\026\134
\367\162\001\011\067\204\201\052\124\153\327\222\320\154\372\250
\247\103\022\064\353\016\333\067\017\051\376\212\061\121\102\350
\113\234\220\250\310\054\021\323\375\240\051\176\316\336\224\366
\202\340\130\264\116\105\045\361\042\362\075\323\017\173\124\032
\334\062\266\326\121\116\176\101\264\127\270\054\306\271\016\056
\312\127\361\325\310\323\130\347\245\351\102\021\256\323\040\045
\224\151\327\217\312\242\015\303\323\237\007\150\077\025\322\147
\056\123\375\166\202\233\013\163\251\051\015\236\021\223\024\010
\230\354\236\124\022\112\126\242\006\025\354\153\154\056\222\140
\056\206\015\256\202\037\121\115\343\262\007\327\020\031\127\042
\366\251\151\104\204\363\331\075\240\006\277\314\210\176\177\365
\316\133\245\302\052\152\164\102\352\157\246\377\371\150\261\320
\137\275\221\322\125\157\063\127\114\036\235\344\342\213\301\205
\145\240\340\152\234\000\000\210\222\335\130\010\026\362\160\061
\250\034\341\336\275\116\161\351\326\276\176\265\241\132\303\115
\367\277\233\275\224\244\375\365\252\123\223\106\311\046\001\004
\160\304\240\161\272\316\045\146\373\221\176\125\160\356\111\012
\115\142\177\302\120\232\162\362\030\147\235\351\105\250\064\204
\350\370\201\366\321\132\042\036\007\117\073\263\177\335\021\245
\163\334\276\251\031\072\151\251\155\033\062\342\211\252\245\047
\013\132\176\164\342\017\144\071\135\176\134\271\301\027\374\307
\215\136\311\354\044\355\322\362\077\172\204\105\067\002\276\076
\153\131\304\346\133\026\155\300\252\236\252\265\131\056\054\160
\125\234\314\231\226\230\044\124\321\216\332\312\264\021\264\267
\160\103\037\157\220\013\040\240\250\166\023\145\333\333\043\132
\165\113\241\013\061\167\012\356\175\150\141\032\023\214\352\121
\176\134\126\243\127\114\135\241\353\023\145\277\124\024\314\363
\356\334\327\354\074\227\362\170\126\270\337\162\134\160\374\316
\006\335\237\322\007\061\357\347\122\221\236\315\272\327\300\030
\104\007\061\145\111\062\151\023\112\353\217\002\003\001\000\001
\243\143\060\141\060\017\006\003\125\035\023\001\001\377\004\005
\060\003\001\001\377\060\037\006\003\125\035\043\004\030\060\026
\200\024\265\066\274\074\214\032\253\054\366\131\031\055\203\024
\332\223\045\025\326\206\060\035\006\003\125\035\016\004\026\004
\024\265\066\274\074\214\032\253\054\366\131\031\055\203\024\332
\223\045\025\326\206\060\016\006\003\125\035\017\001\001\377\004
\004\003\002\001\006\060\015\006\011\052\206\110\206\367\015\001
\001\015\005\000\003\202\002\001\000\024\373\061\045\070\061\370
\312\010\262\043\166\070\255\370\323\131\365\314\264\127\045\341

\104\276\176\374\026\354\256\372\046\237\117\147\026\112\126\360
\375\355\307\031\001\064\216\220\132\055\326\200\134\354\161\322
\201\045\202\036\000\161\337\232\321\325\035\042\273\321\245\363
\142\017\264\353\334\044\163\376\246\126\315\232\024\305\004\065
\026\061\242\007\353\245\000\342\266\370\137\162\375\077\141\111
\216\336\176\115\070\327\172\036\164\067\154\121\334\276\000\004
\270\070\024\363\040\301\355\233\247\043\375\015\102\204\035\177
\362\163\303\320\170\143\361\237\354\327\133\351\361\276\154\240
\113\003\236\215\151\341\024\332\210\020\201\043\123\377\332\124
\053\013\306\271\226\225\004\030\106\363\173\250\227\330\133\150
\244\344\070\034\016\105\345\230\323\011\256\232\136\354\263\171
\015\071\162\362\364\224\235\016\236\140\042\346\250\366\114\205
\315\007\202\072\150\071\315\075\137\343\070\364\266\257\073\153
\112\237\140\121\105\242\100\002\345\252\014\343\076\321\170\324
\242\164\234\046\272\005\232\050\160\112\076\246\013\320\035\111
\360\272\370\256\101\020\176\244\007\022\275\250\317\051\075\127
\273\307\361\103\107\000\076\256\160\030\132\040\173\011\313\072
\072\160\200\345\114\140\230\301\025\301\035\112\367\310\360\233
\341\162\255\347\135\150\130\013\004\261\214\274\237\267\373\156
\213\133\004\125\373\353\043\125\327\170\120\332\045\313\276\047
\066\273\044\032\171\034\121\321\376\023\273\377\170\054\334\244
\276\057\366\305\113\123\317\247\114\231\136\160\254\131\210\004
\256\144\004\277\173\246\172\115\323\350\167\275\241\176\120\025
\363\357\111\060\205\115\041\127\252\333\054\165\227\255\201\001
\207\242\261\160\235\036\006\132\003\140\261\077\246\155\202\054
\324\024\261\201\245\350\075\210\035\264\162\054\130\067\212\216
\070\224\270\163\335\251\340\270\366\167\242\263\174\130\336\256
\151\072\265\213\245\032\273\362\330\164\006\234\375\142\163\040
\041\166\261\176\160\236\031\324\353\027\142\031\070\231\315\066
\053\107\376\061\313\337\271\344\254\010\323\330\246\353\324\236
\176\113\144\244\125\135\053\027\311

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "DIGITALSIGN GLOBAL ROOT RSA CA"

Issuer: CN=DIGITALSIGN GLOBAL ROOT RSA CA,O=DigitalSign Certificadora Digital,C=PT

Serial Number:5d:59:c8:ca:ab:09:57:f5:e6:b5:da:29:94:04:6a:ff:c5:d4:95:87

#

Subject: CN=DIGITALSIGN GLOBAL ROOT RSA CA,O=DigitalSign Certificadora Digital,C=PT

Not Valid Before: Thu Jan 21 10:50:34 2021

Not Valid After : Mon Jan 15 10:50:34 2046

Fingerprint (SHA-256):

82:BD:5D:85:1A:CF:7F:6E:1B:A7:BF:CB:C5:30:30:D0:E7:BC:3C:21:DF:77:2D:85:8C:AB:41:D1:99:BD:F5:95

Fingerprint (SHA1): B9:82:07:97:AE:52:A5:68:6F:46:07:DF:FD:03:72:3D:92:86:88:2D

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

```

CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "DIGITALSIGN GLOBAL ROOT RSA CA"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\271\202\007\227\256\122\245\150\157\106\007\337\375\003\162\075
\222\206\210\055
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\033\032\275\032\171\306\333\264\355\263\207\314\251\323\116\170
END
CKA_ISSUER MULTILINE_OCTAL
\060\142\061\013\060\011\006\003\125\004\006\023\002\120\124\061
\052\060\050\006\003\125\004\012\014\041\104\151\147\151\164\141
\154\123\151\147\156\040\103\145\162\164\151\146\151\143\141\144
\157\162\141\040\104\151\147\151\164\141\154\061\047\060\045\006
\003\125\004\003\014\036\104\111\107\111\124\101\114\123\111\107
\116\040\107\114\117\102\101\114\040\122\117\117\124\040\122\123
\101\040\103\101
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\024\135\131\310\312\253\011\127\365\346\265\332\051\224\004
\152\377\305\324\225\207
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "DIGITALSIGN GLOBAL ROOT ECDSA CA"
#
# Issuer: CN=DIGITALSIGN GLOBAL ROOT ECDSA CA,O=DigitalSign Certificadora Digital,C=PT
# Serial Number:36:2d:8f:72:88:a2:28:27:e4:00:ff:24:c6:2d:e4:eb:fa:9d:b6:e1
# Subject: CN=DIGITALSIGN GLOBAL ROOT ECDSA CA,O=DigitalSign Certificadora Digital,C=PT
# Not Valid Before: Thu Jan 21 11:07:50 2021
# Not Valid After : Mon Jan 15 11:07:50 2046
# Fingerprint
(SHA-256):
26:1D:71:14:AE:5F:8F:F2:D8:C7:20:9A:9D:E4:28:9E:6A:FC:9D:71:70:23:D8:54:50:90:91:99:F1:85:7C:FE
# Fingerprint (SHA1): 67:A8:08:EB:8F:88:F5:80:6C:05:45:1B:17:F3:D7:00:2F:D2:4A:8A
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "DIGITALSIGN GLOBAL ROOT ECDSA CA"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

```

CKA_SUBJECT MULTILINE_OCTAL

\060\144\061\013\060\011\006\003\125\004\006\023\002\120\124\061
\052\060\050\006\003\125\004\012\014\041\104\151\147\151\164\141
\154\123\151\147\156\040\103\145\162\164\151\146\151\143\141\144
\157\162\141\040\104\151\147\151\164\141\154\061\051\060\047\006
\003\125\004\003\014\040\104\111\107\111\124\101\114\123\111\107
\116\040\107\114\117\102\101\114\040\122\117\117\124\040\105\103
\104\123\101\040\103\101

END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

\060\144\061\013\060\011\006\003\125\004\006\023\002\120\124\061
\052\060\050\006\003\125\004\012\014\041\104\151\147\151\164\141
\154\123\151\147\156\040\103\145\162\164\151\146\151\143\141\144
\157\162\141\040\104\151\147\151\164\141\154\061\051\060\047\006
\003\125\004\003\014\040\104\111\107\111\124\101\114\123\111\107
\116\040\107\114\117\102\101\114\040\122\117\117\124\040\105\103
\104\123\101\040\103\101

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

\002\024\066\055\217\162\210\242\050\047\344\000\377\044\306\055
\344\353\372\235\266\341

END

CKA_VALUE MULTILINE_OCTAL

\060\202\002\152\060\202\001\360\240\003\002\001\002\002\024\066
\055\217\162\210\242\050\047\344\000\377\044\306\055\344\353\372
\235\266\341\060\012\006\010\052\206\110\316\075\004\003\003\060
\144\061\013\060\011\006\003\125\004\006\023\002\120\124\061\052
\060\050\006\003\125\004\012\014\041\104\151\147\151\164\141\154
\123\151\147\156\040\103\145\162\164\151\146\151\143\141\144\157
\162\141\040\104\151\147\151\164\141\154\061\051\060\047\006\003
\125\004\003\014\040\104\111\107\111\124\101\114\123\111\107\116
\040\107\114\117\102\101\114\040\122\117\117\124\040\105\103\104
\123\101\040\103\101\060\036\027\015\062\061\060\061\062\061\061
\061\060\067\065\060\132\027\015\064\066\060\061\061\065\061\061
\060\067\065\060\132\060\144\061\013\060\011\006\003\125\004\006
\023\002\120\124\061\052\060\050\006\003\125\004\012\014\041\104
\151\147\151\164\141\154\123\151\147\156\040\103\145\162\164\151
\146\151\143\141\144\157\162\141\040\104\151\147\151\164\141\154
\061\051\060\047\006\003\125\004\003\014\040\104\111\107\111\124
\101\114\123\111\107\116\040\107\114\117\102\101\114\040\122\117
\117\124\040\105\103\104\123\101\040\103\101\060\166\060\020\006
\007\052\206\110\316\075\002\001\006\005\053\201\004\000\042\003
\142\000\004\156\013\243\253\063\115\034\352\112\350\374\004\215
\024\240\175\360\010\054\137\203\253\223\321\322\173\272\327\111
\175\217\354\022\120\137\324\271\313\345\360\371\063\143\037\311
\127\354\100\330\021\013\227\350\122\026\314\051\216\364\006\206

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\036\070\334\075\127\304\356\252\275\310\124\004\046\132\047\023
\121\107\075\037\037\032\216\250\225\244\063\320\314\107\314\155
\270\374\110\243\143\060\141\060\017\006\003\125\035\023\001\001
\377\004\005\060\003\001\001\377\060\037\006\003\125\035\043\004
\030\060\026\200\024\316\257\112\213\032\165\342\361\070\347\002
\360\026\255\136\352\144\325\173\264\060\035\006\003\125\035\016
\004\026\004\024\316\257\112\213\032\165\342\361\070\347\002\360
\026\255\136\352\144\325\173\264\060\016\006\003\125\035\017\001
\001\377\004\004\003\002\001\006\060\012\006\010\052\206\110\316
\075\004\003\003\003\150\000\060\145\002\060\012\210\304\161\234
\104\003\115\215\264\307\274\250\256\331\060\047\065\152\153\026
\143\327\374\347\131\341\247\211\033\114\061\232\043\125\104\346
\363\103\041\325\107\047\157\155\127\001\252\002\061\000\373\262
\352\342\227\177\121\265\237\110\353\274\157\065\211\250\144\160
\253\127\166\315\300\306\024\140\312\177\342\202\000\163\367\314
\065\352\216\044\233\345\010\131\307\004\214\163\170\376
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "DIGITALSIGN GLOBAL ROOT ECDSA CA"

Issuer: CN=DIGITALSIGN GLOBAL ROOT ECDSA CA,O=DigitalSign Certificadora Digital,C=PT

Serial Number:36:2d:8f:72:88:a2:28:27:e4:00:ff:24:c6:2d:e4:eb:fa:9d:b6:e1

Subject: CN=DIGITALSIGN GLOBAL ROOT ECDSA CA,O=DigitalSign Certificadora Digital,C=PT

Not Valid Before: Thu Jan 21 11:07:50 2021

Not Valid After : Mon Jan 15 11:07:50 2046

Fingerprint (SHA-256):

26:1D:71:14:AE:5F:8F:F2:D8:C7:20:9A:9D:E4:28:9E:6A:FC:9D:71:70:23:D8:54:50:90:91:99:F1:85:7C:FE

Fingerprint (SHA1): 67:A8:08:EB:8F:88:F5:80:6C:05:45:1B:17:F3:D7:00:2F:D2:4A:8A

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "DIGITALSIGN GLOBAL ROOT ECDSA CA"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\147\250\010\353\217\210\365\200\154\005\105\033\027\363\327\000
\057\322\112\212
```

END

CKA_CERT_MD5_HASH

MULTILINE_OCTAL

```
\252\055\241\316\377\041\302\210\313\132\036\214\341\311\222\217
```

END

CKA_ISSUER MULTILINE_OCTAL

```
\060\144\061\013\060\011\006\003\125\004\006\023\002\120\124\061
\052\060\050\006\003\125\004\012\014\041\104\151\147\151\164\141
\154\123\151\147\156\040\103\145\162\164\151\146\151\143\141\144
```



```
\157\162\141\040\104\151\147\151\164\141\154\061\051\060\047\006
\003\125\004\003\014\040\104\111\107\111\124\101\114\123\111\107
\116\040\107\114\117\102\101\114\040\122\117\117\124\040\105\103
\104\123\101\040\103\101
```

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

```
\002\024\066\055\217\162\210\242\050\047\344\000\377\044\306\055
\344\353\372\235\266\341
```

END

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#

Certificate "Security Communication RootCA3"

#

#

Issuer: CN=Security Communication RootCA3,O="SECOM Trust Systems CO.,LTD.",C=JP

Serial Number:00:e1:7c:37:40:fd:1b:fe:67

Subject: CN=Security Communication RootCA3,O="SECOM Trust Systems CO.,LTD.",C=JP

Not Valid Before: Thu Jun 16 06:17:16 2016

Not Valid After : Mon Jan 18 06:17:16 2038

Fingerprint (SHA-256):

24:A5:5C:2A:B0:51:44:2D:06:17:76:65:41:23:9A:4A:D0:32:D7:C5:51:75:AA:34:FF:DE:2F:BC:4F:5C:52:94

Fingerprint (SHA1): C3:03:C8:22:74:92:E5:61:A2:9C:5F:79:91:2B:1E:44:13:91:30:3A

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "Security Communication RootCA3"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL

```
\060\135\061\013\060\011\006\003\125\004\006\023\002\112\120\061
\045\060\043\006\003\125\004\012\023\034\123\105\103\117\115\040
\124\162\165\163\164\040\123\171\163\164\145\155\163\040\103\117
\056\054\114\124\104\056\061\047\060\045\006\003\125\004\003\023
\036\123\145\143\165\162\151\164\171\040\103\157\155\155\165\156
\151\143\141\164\151\157\156\040\122\157\157\164\103\101\063
```

END

CKA_ID

UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

```
\060\135\061\013\060\011\006\003\125\004\006\023\002\112\120\061
\045\060\043\006\003\125\004\012\023\034\123\105\103\117\115\040
\124\162\165\163\164\040\123\171\163\164\145\155\163\040\103\117
\056\054\114\124\104\056\061\047\060\045\006\003\125\004\003\023
\036\123\145\143\165\162\151\164\171\040\103\157\155\155\165\156
```

\151\143\141\164\151\157\156\040\122\157\157\164\103\101\063
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\011\000\341\174\067\100\375\033\376\147
END
CKA_VALUE MULTILINE_OCTAL
\060\202\005\177\060\202\003\147\240\003\002\001\002\002\011\000
\341\174\067\100\375\033\376\147\060\015\006\011\052\206\110\206
\367\015\001\001\014\005\000\060\135\061\013\060\011\006\003\125
\004\006\023\002\112\120\061\045\060\043\006\003\125\004\012\023
\034\123\105\103\117\115\040\124\162\165\163\164\040\123\171\163
\164\145\155\163\040\103\117\056\054\114\124\104\056\061\047\060
\045\006\003\125\004\003\023\036\123\145\143\165\162\151\164\171
\040\103\157\155\155\165\156\151\143\141\164\151\157\156\040\122
\157\157\164\103\101\063\060\036\027\015\061\066\060\066\061\066
\060\066\061\067\061\066\132\027\015\063\070\060\061\061\070\060
\066\061\067\061\066\132\060\135\061\013\060\011\006\003\125\004
\006\023\002\112\120\061\045\060\043\006\003\125\004\012\023\034
\123\105\103\117\115\040\124\162\165\163\164\040\123\171\163\164
\145\155\163\040\103\117\056\054\114\124\104\056\061\047\060\045
\006\003\125\004\003\023\036\123\145\143\165\162\151\164\171\040
\103\157\155\155\165\156\151\143\141\164\151\157\156\040\122\157
\157\164\103\101\063\060\202\002\042\060\015\006\011\052\206\110
\206\367\015\001\001\001\005\000\003\202\002\017\000\060\202\002
\012\002\202\002\001\000\343\311\162\111\367\060\336\011\174\251
\100\201\130\323\264\072\335\272\141\017\223\120\156\151\074\065
\302\356\133\163\220\033\147\114\041\354\137\065\273\071\076\053
\012\140\357\273\155\053\206\373\161\242\310\254\344\126\224\371
\311\257\261\162\324\040\254\164\322\270\025\255\121\376\205\164
\241\271\020\376\005\200\371\122\223\263\100\075\165\020\254\300
\226\267\247\176\166\274\343\033\122\031\316\021\037\013\004\064
\365\330\365\151\074\167\363\144\364\015\252\205\336\340\011\120
\004\027\226\204\267\310\212\274\115\162\374\034\273\317\363\006
\115\371\237\144\367\176\246\146\206\065\161\310\021\200\114\301
\161\100\130\036\276\240\163\366\374\076\120\341\340\057\046\075
\176\134\043\265\171\160\336\372\340\321\245\326\014\101\161\173
\367\352\214\034\210\307\354\213\365\321\057\125\226\106\174\132
\073\130\073\373\272\330\055\265\045\332\172\116\317\104\256\041
\246\236\230\312\040\156\174\273\210\205\133\373\300\020\142\273
\362\371\047\107\357\321\211\071\103\304\337\336\341\101\277\124
\163\040\227\055\154\332\363\324\007\243\346\271\330\157\256\374
\214\031\056\323\147\147\053\225\333\130\134\265\152\002\363\270
\203\136\264\153\276\101\176\127\011\165\104\120\125\315\132\021
\141\041\012\141\302\251\210\375\023\274\055\211\057\315\141\340
\225\276\312\265\173\341\173\064\147\013\037\266\014\307\174\036
\031\123\312\247\261\112\025\040\126\024\160\075\053\202\054\017
\235\025\035\107\200\107\377\170\231\016\061\257\157\076\217\355
\206\151\036\173\030\210\024\262\302\374\202\063\056\234\113\055

\373\160\073\161\252\053\173\046\047\363\032\302\334\373\027\270
\241\352\313\240\264\256\323\224\176\172\320\253\303\354\070\055
\021\056\210\277\324\077\255\022\073\102\254\217\002\156\175\314
\321\137\141\276\241\274\072\152\110\352\046\125\042\026\135\137
\015\377\047\063\237\030\003\164\212\133\122\040\107\153\105\115
\042\167\214\125\047\360\257\036\214\311\203\042\124\267\232\320
\117\331\316\374\331\056\034\226\050\261\002\323\003\275\045\122
\034\064\146\117\043\253\364\167\202\226\035\321\127\060\010\021
\005\375\127\321\331\307\002\003\001\000\001\243\102\060\100\060
\035\006\003\125\035\016\004\026\004\024\144\024\174\374\130\162
\026\246\012\051\064\025\157\052\313\274\374\257\250\253\060\016
\006\003\125\035\017\001\001\377\004\004\003\002\001\006\060\017
\006\003\125\035\023\001\001\377\004\005\060\003\001\001\377\060
\015\006\011\052\206\110\206\367\015\001\001\014\005\000\003\202
\002\001\000\334\002\043\010\342\357\041\072\307\015\267\046\322
\142\223\247\245\043\162\007\040\202\140\337\030\327\124\255\151
\045\222\236\331\024\317\231\271\122\201\317\256\154\212\073\132
\071\310\154\001\103\302\042\155\002\360\142\315\116\143\103\300
\024\332\364\143\360\352\364\161\356\116\207\343\161\251\364\311
\127\345\056\137\034\171\273\043\252\207\104\127\351\275\065\115
\101\273\113\050\243\230\262\033\331\013\027\007\345\367\352\235
\365\166\327\277\304\266\201\130\377\310\377\144\151\142\171\255
\156\016\037\177\356\035\151\345\267\162\161\263\376\245\001\065
\224\124\053\300\122\155\217\125\304\311\322\270\313\312\064\010
\121\205\240\365\274\264\027\130\352\012\134\172\275\143\306\072
\057\377\226\111\031\204\352\147\330\004\261\141\364\000\133\112
\267\234\161\067\031\205\171\277\201\260\307\023\016\166\161\076
\072\200\006\256\006\026\247\215\265\302\304\313\377\100\245\134
\215\245\311\072\355\162\201\312\134\230\074\322\064\003\167\010
\375\360\051\131\135\041\010\307\140\277\244\161\173\270\331\036
\202\276\011\257\145\157\050\253\277\113\265\356\076\010\107\047
\240\017\157\017\213\077\254\225\030\363\271\016\334\147\125\156
\142\236\106\016\321\004\170\312\162\256\166\331\245\370\262\337
\210\011\141\213\357\044\116\321\131\077\132\324\075\311\223\074
\053\144\365\201\015\026\226\367\222\303\376\061\157\350\052\062
\164\016\364\114\230\112\030\016\060\124\325\305\353\274\305\025
\236\350\231\041\353\047\053\011\012\333\361\346\160\030\126\273
\014\344\276\371\350\020\244\023\222\270\034\340\333\147\035\123
\003\244\042\247\334\135\222\020\074\352\377\374\033\020\032\303
\330\320\234\235\145\313\320\053\047\061\003\036\066\341\075\166
\165\014\377\105\046\271\335\121\274\043\307\137\330\330\207\020
\100\022\015\075\070\067\347\104\074\030\300\123\011\144\217\377
\325\232\246\174\160\056\163\125\041\350\337\377\203\271\035\076
\062\036\326\246\175\054\361\146\351\134\035\247\243\316\136\045
\062\053\343\225\254\052\007\316\264\050\170\206\074\055\246\235
\115\322\164\060\335\144\121\025\333\203\203\121\327\257\375\063
\235\115\146

END

```

CKA_NSS_MOZILLA_CA_POLICY
CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

# Trust for "Security Communication RootCA3"
# Issuer: CN=Security Communication RootCA3,O="SECOM Trust Systems CO.,LTD.",C=JP
# Serial Number:00:e1:7c:37:40:fd:1b:fe:67
# Subject: CN=Security Communication RootCA3,O="SECOM Trust Systems CO.,LTD.",C=JP
# Not Valid Before: Thu Jun 16 06:17:16 2016
# Not Valid After : Mon Jan 18 06:17:16 2038
# Fingerprint (SHA-256):
24:A5:5C:2A:B0:51:44:2D:06:17:76:65:41:23:9A:4A:D0:32:D7:C5:51:75:AA:34:FF:DE:2F:BC:4F:5C:52:94
#
Fingerprint (SHA1): C3:03:C8:22:74:92:E5:61:A2:9C:5F:79:91:2B:1E:44:13:91:30:3A
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Security Communication RootCA3"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\303\003\310\042\164\222\345\141\242\234\137\171\221\053\036\104
\023\221\060\072
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\034\232\026\377\236\134\340\115\212\024\001\364\065\135\051\046
END
CKA_ISSUER MULTILINE_OCTAL
\060\135\061\013\060\011\006\003\125\004\006\023\002\112\120\061
\045\060\043\006\003\125\004\012\023\034\123\105\103\117\115\040
\124\162\165\163\164\040\123\171\163\164\145\155\163\040\103\117
\056\054\114\124\104\056\061\047\060\045\006\003\125\004\003\023
\036\123\145\143\165\162\151\164\171\040\103\157\155\155\165\156
\151\143\141\164\151\157\156\040\122\157\157\164\103\101\063
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\011\000\341\174\067\100\375\033\376\147
END
CKA_TRUST_SERVER_AUTH
CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "Security Communication ECC RootCA1"
#
# Issuer: CN=Security Communication ECC RootCA1,O="SECOM Trust Systems CO.,LTD.",C=JP

```

```
# Serial Number:00:d6:5d:9b:b3:78:81:2e:eb
# Subject: CN=Security Communication ECC RootCA1,O="SECOM Trust Systems CO.,LTD.",C=JP
# Not Valid Before: Thu Jun 16 05:15:28 2016
# Not Valid After : Mon Jan 18 05:15:28 2038
# Fingerprint (SHA-256):
E7:4F:BD:A5:5B:D5:64:C4:73:A3:6B:44:1A:A7:99:C8:A6:8E:07:74:40:E8:28:8B:9F:A1:E5:0E:4B:BA:CA:11
# Fingerprint (SHA1): B8:0E:26:A9:BF:D2:B2:3B:C0:EF:46:C9:BA:C7:BB:F6:1D:0D:41:41
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Security Communication ECC RootCA1"
CKA_CERTIFICATE_TYPE
CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\141\061\013\060\011\006\003\125\004\006\023\002\112\120\061
\045\060\043\006\003\125\004\012\023\034\123\105\103\117\115\040
\124\162\165\163\164\040\123\171\163\164\145\155\163\040\103\117
\056\054\114\124\104\056\061\053\060\051\006\003\125\004\003\023
\042\123\145\143\165\162\151\164\171\040\103\157\155\155\165\156
\151\143\141\164\151\157\156\040\105\103\103\040\122\157\157\164
\103\101\061
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\141\061\013\060\011\006\003\125\004\006\023\002\112\120\061
\045\060\043\006\003\125\004\012\023\034\123\105\103\117\115\040
\124\162\165\163\164\040\123\171\163\164\145\155\163\040\103\117
\056\054\114\124\104\056\061\053\060\051\006\003\125\004\003\023
\042\123\145\143\165\162\151\164\171\040\103\157\155\155\165\156
\151\143\141\164\151\157\156\040\105\103\103\040\122\157\157\164
\103\101\061
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\011\000\326\135\233\263\170\201\056\353
END
CKA_VALUE
MULTILINE_OCTAL
\060\202\002\070\060\202\001\276\240\003\002\001\002\002\011\000
\326\135\233\263\170\201\056\353\060\012\006\010\052\206\110\316
\075\004\003\003\060\141\061\013\060\011\006\003\125\004\006\023
\002\112\120\061\045\060\043\006\003\125\004\012\023\034\123\105
\103\117\115\040\124\162\165\163\164\040\123\171\163\164\145\155
\163\040\103\117\056\054\114\124\104\056\061\053\060\051\006\003
\125\004\003\023\042\123\145\143\165\162\151\164\171\040\103\157
\155\155\165\156\151\143\141\164\151\157\156\040\105\103\103\040
\122\157\157\164\103\101\061\060\036\027\015\061\066\060\066\061
\066\060\065\061\065\062\070\132\027\015\063\070\060\061\061\070
```

\060\065\061\065\062\070\132\060\141\061\013\060\011\006\003\125
\004\006\023\002\112\120\061\045\060\043\006\003\125\004\012\023
\034\123\105\103\117\115\040\124\162\165\163\164\040\123\171\163
\164\145\155\163\040\103\117\056\054\114\124\104\056\061\053\060
\051\006\003\125\004\003\023\042\123\145\143\165\162\151\164\171
\040\103\157\155\155\165\156\151\143\141\164\151\157\156\040\105
\103\103\040\122\157\157\164\103\101\061\060\166\060\020\006\007
\052\206\110\316\075\002\001\006\005\053\201\004\000\042\003\142
\000\004\244\245\157\140\003\003\303\275\061\364\323\027\234\053
\204\165\254\345\375\075\127\156\327\143\277\346\004\211\222\216
\201\234\343\351\107\156\312\220\022\310\023\340\247\235\367\145
\164\037\154\020\262\350\344\351\357\155\205\062\231\104\261\136
\375\314\166\020\330\133\275\242\306\371\326\102\344\127\166\334
\220\302\065\251\113\210\074\022\107\155\134\377\111\117\032\112
\120\261\243\102\060\100\060\035\006\003\125\035\016\004\026\004
\024\206\034\347\376\055\245\112\213\010\376\050\021\372\276\243
\146\370\140\131\057\060\016\006\003\125\035\017\001\001\377\004
\004\003\002\001\006\060\017\006\003\125\035\023\001\001\377\004
\005\060\003\001\001\377\060\012\006\010\052\206\110\316\075\004
\003\003\003\150\000\060\145\002\060\025\135\102\075\374\266\356
\367\073\261\066\350\236\366\304\106\050\111\063\320\130\103\052
\143\051\314\115\261\264\172\242\271\015\070\245\135\110\052\375
\313\262\163\135\243\210\010\307\014\002\061\000\300\253\055\016
\155\355\030\242\333\123\351\045\333\125\010\340\120\314\337\104
\141\026\202\253\111\260\262\201\354\163\207\170\264\114\262\142
\033\022\372\026\115\045\113\143\275\036\067\331

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "Security Communication ECC RootCA1"

Issuer: CN=Security Communication ECC RootCA1,O="SECOM Trust Systems CO.,LTD.",C=JP

Serial Number:00:d6:5d:9b:b3:78:81:2e:eb

Subject: CN=Security Communication ECC RootCA1,O="SECOM Trust Systems CO.,LTD.",C=JP

Not Valid Before: Thu Jun 16 05:15:28 2016

Not Valid After : Mon Jan 18 05:15:28 2038

Fingerprint (SHA-256):

E7:4F:BD:A5:5B:D5:64:C4:73:A3:6B:44:1A:A7:99:C8:A6:8E:07:74:40:E8:28:8B:9F:A1:E5:0E:4B:BA:CA:11

Fingerprint (SHA1):

B8:0E:26:A9:BF:D2:B2:3B:C0:EF:46:C9:BA:C7:BB:F6:1D:0D:41:41

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "Security Communication ECC RootCA1"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

\270\016\046\251\277\322\262\073\300\357\106\311\272\307\273\366
\035\015\101\101

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

\176\103\260\222\150\354\005\103\114\230\253\135\065\056\176\206
END

CKA_ISSUER MULTILINE_OCTAL

\060\141\061\013\060\011\006\003\125\004\006\023\002\112\120\061
\045\060\043\006\003\125\004\012\023\034\123\105\103\117\115\040
\124\162\165\163\164\040\123\171\163\164\145\155\163\040\103\117
\056\054\114\124\104\056\061\053\060\051\006\003\125\004\003\023
\042\123\145\143\165\162\151\164\171\040\103\157\155\155\165\156
\151\143\141\164\151\157\156\040\105\103\103\040\122\157\157\164
\103\101\061

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\002\011\000\326\135\233\263\170\201\056\353

END

CKA_TRUST_SERVER_AUTH

CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#

Certificate "BJCA Global Root CA1"

#

Issuer: CN=BJCA Global Root CA1,O=BEIJING CERTIFICATE AUTHORITY,C=CN

Serial Number:55:6f:65:e3:b4:d9:90:6a:1b:09:d1:6c:3e:c0:6c:20

Subject: CN=BJCA Global Root CA1,O=BEIJING CERTIFICATE AUTHORITY,C=CN

Not Valid Before: Thu Dec 19 03:16:17 2019

Not Valid After : Mon Dec 12 03:16:17 2044

Fingerprint (SHA-256):

F3:89:6F:88:FE:7C:0A:88:27:66:A7:FA:6A:D2:74:9F:B5:7A:7F:3E:98:FB:76:9C:1F:A7:B0:9C:2C:44:D5:AE

Fingerprint (SHA1): D5:EC:8D:7B:4C:BA:79:F4:E7:E8:CB:9D:6B:AE:77:83:10:03:21:6A

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "BJCA Global Root CA1"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL

\060\124\061\013\060\011\006\003\125\004\006\023\002\103\116\061
\046\060\044\006\003\125\004\012\014\035\102\105\111\112\111\116
\107\040\103\105\122\124\111\106\111\103\101\124\105\040\101\125
\124\110\117\122\111\124\131\061\035\060\033\006\003\125\004\003
\014\024\102\112\103\101\040\107\154\157\142\141\154\040\122\157
\157\164\040\103\101\061

END

CKA_ID

UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

\060\124\061\013\060\011\006\003\125\004\006\023\002\103\116\061
\046\060\044\006\003\125\004\012\014\035\102\105\111\112\111\116
\107\040\103\105\122\124\111\106\111\103\101\124\105\040\101\125
\124\110\117\122\111\124\131\061\035\060\033\006\003\125\004\003
\014\024\102\112\103\101\040\107\154\157\142\141\154\040\122\157
\157\164\040\103\101\061

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\002\020\125\157\145\343\264\331\220\152\033\011\321\154\076\300
\154\040

END

CKA_VALUE MULTILINE_OCTAL

\060\202\005\164\060\202\003\134\240\003\002\001\002\002\020\125
\157\145\343\264\331\220\152\033\011\321\154\076\300\154\040\060
\015\006\011\052\206\110\206\367\015\001\001\013\005\000\060\124
\061\013\060\011\006\003\125\004\006\023\002\103\116\061\046\060
\044\006\003\125\004\012\014\035\102\105\111\112\111\116\107\040
\103\105\122\124\111\106\111\103\101\124\105\040\101\125\124\110
\117\122\111\124\131\061\035\060\033\006\003\125\004\003\014\024
\102\112\103\101\040\107\154\157\142\141\154\040\122\157\157\164
\040\103\101\061\060\036\027\015\061\071\061\062\061\071\060\063
\061\066\061\067\132\027\015\064\064\061\062\061\062\060\063\061
\066\061\067\132\060\124\061\013\060\011\006\003\125\004\006\023
\002\103\116\061\046\060\044\006\003\125\004\012\014\035\102\105
\111\112\111\116\107\040\103\105\122\124\111\106\111\103\101\124
\105\040\101\125\124\110\117\122\111\124\131\061\035\060\033\006
\003\125\004\003\014\024\102\112\103\101\040\107\154\157\142\141
\154\040\122\157\157\164\040\103\101\061\060\202\002\042\060\015
\006\011\052\206\110\206\367\015\001\001\001\005\000\003\202\002
\017\000\060\202\002\012\002\202\002\001\000\361\146\010\275\331
\305\025\141\313\204\004\101\245\151\067\167\035\301\260\173\372
\303\167\110\220\023\162\144\321\270\174\220\065\235\030\171\210
\343\227\001\074\107\201\362\016\242\230\015\236\077\067\340\031
\262\220\362\106\034\222\261\072\141\316\372\267\106\236\003\206
\327\063\156\355\367\105\214\166\067\336\156\226\221\367\327\176
\053\207\027\325\213\065\356\204\221\162\127\334\140\303\303\271
\347\307\147\044\043\117\143\012\143\366\146\175\113\125\247\077
\170\144\111\151\022\227\340\114\015\323\011\240\062\060\072\372
\237\300\362\234\305\022\052\056\034\265\004\063\332\244\070\021
\152\336\306\030\366\107\072\042\101\207\042\374\304\211\050\124
\330\214\245\060\012\370\027\026\312\254\067\375\171\247\221\027
\170\070\231\255\130\355\262\336\314\211\175\003\234\263\211\145
\347\343\073\261\042\206\217\006\155\170\007\375\221\022\177\260
\153\034\211\015\371\270\313\164\133\007\302\310\364\065\321\144

\143\172\351\156\232\050\326\060\275\346\033\335\025\257\204\352
\234\307\312\365\016\352\362\135\051\207\217\151\163\071\276\056
\044\157\105\041\254\305\324\151\045\006\203\255\172\110\205\023
\054\015\006\270\154\171\126\374\243\147\062\201\365\127\245\312
\127\102\151\351\134\044\141\357\342\060\030\116\104\230\125\157
\172\302\223\330\031\266\336\174\107\212\021\116\111\107\333\050
\224\002\013\224\112\054\371\022\320\117\350\061\176\154\172\277
\246\077\233\071\075\002\026\243\030\263\147\254\133\077\054\203
\053\147\071\201\134\271\176\224\325\144\335\236\217\156\256\350
\174\133\264\327\152\107\110\327\176\263\324\055\216\126\166\116
\317\151\361\156\104\154\324\044\352\215\044\241\030\277\275\127
\376\251\231\065\265\333\020\167\270\075\110\272\326\301\347\361
\043\076\327\337\205\235\047\074\324\100\275\012\014\275\365\347
\215\045\326\201\164\207\106\324\051\165\242\102\154\367\163\211
\347\175\277\172\112\037\323\042\311\025\125\317\337\157\174\125
\320\244\213\007\021\067\137\203\246\046\127\246\001\133\176\376
\130\150\007\251\351\172\331\271\350\377\120\037\253\302\264\300
\316\350\352\375\017\275\215\115\270\274\161\002\003\001\000\001
\243\102\060\100\060\035\006\003\125\035\016\004\026\004\024\305
\357\355\314\330\215\041\306\110\344\343\327\024\056\247\026\223
\345\230\001\060\017\006\003\125\035\023\001\001\377\004\005\060
\003\001\001\377\060\016\006\003\125\035\017\001\001\377\004\004
\003\002\001\006\060\015\006\011\052\206\110\206\367\015\001\001
\013\005\000\003\202\002\001\000\122\202\254\041\064\037\043\362
\242\330\371\270\257\067\066\040\211\321\067\003\326\151\237\270
\141\020\272\242\061\230\131\107\350\321\015\045\036\025\101\014
\340\052\125\325\127\122\313\370\344\307\151\243\035\115\161\002
\136\137\041\105\140\110\134\011\216\111\020\301\004\334\251\142
\153\002\360\103\310\116\235\070\111\164\311\062\160\124\155\301
\107\374\216\264\066\236\324\234\275\335\040\326\123\311\030\251
\265\126\271\166\213\225\147\146\356\275\230\376\256\357\276\156
\373\140\366\375\131\306\052\033\077\043\112\224\044\060\047\310
\211\274\353\104\044\232\313\075\276\117\325\172\316\216\027\313
\142\301\331\336\036\016\172\377\103\206\064\122\274\141\077\074
\137\273\331\166\264\123\274\227\263\376\212\114\022\056\053\363
\327\316\341\242\377\335\173\160\373\073\241\115\244\143\002\375
\070\227\225\077\005\160\240\153\337\142\201\103\213\264\131\015
\112\214\124\234\305\273\201\237\315\175\245\357\013\045\036\072
\040\333\034\374\037\230\147\002\012\324\163\104\023\333\121\204
\032\125\003\126\340\000\176\164\006\377\070\304\162\035\323\250
\077\150\061\135\323\011\307\056\214\133\143\340\350\334\036\322
\354\141\036\362\336\345\357\366\231\166\140\055\036\224\162\161
\306\013\052\062\307\222\116\325\106\327\035\371\251\031\012\310
\372\225\316\155\043\230\252\013\070\255\232\126\015\157\215\361
\061\000\210\301\027\234\315\031\066\065\376\125\123\240\340\074
\063\137\226\136\342\062\351\337\063\273\006\112\251\330\204\163
\316\167\322\306\254\161\341\134\243\035\014\273\012\337\137\342
\243\161\330\332\067\132\240\170\053\364\324\175\353\166\355\362

```
\141\160\245\145\232\323\211\064\030\253\373\162\076\327\264\075
\171\134\330\037\241\063\173\331\202\120\014\223\027\252\154\334
\302\202\273\002\127\066\257\230\047\052\071\120\341\260\211\365
\045\227\176\107\150\020\264\354\163\312\263\227\321\044\334\366
\142\240\050\323\265\243\270\144\267\210\142\102\317\235\123\315
\231\276\144\150\217\117\036\022\110\367\322\051\303\230\050\312
\362\062\013\223\214\051\117\074\140\062\315\005\226\141\354\362
\257\376\263\160\054\056\246\362
```

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "BJCA Global Root CA1"

Issuer: CN=BJCA Global Root CA1,O=BEIJING CERTIFICATE AUTHORITY,C=CN

Serial Number:55:6f:65:e3:b4:d9:90:6a:1b:09:d1:6c:3e:c0:6c:20

Subject: CN=BJCA Global Root CA1,O=BEIJING CERTIFICATE AUTHORITY,C=CN

Not Valid Before: Thu Dec 19 03:16:17

2019

Not Valid After : Mon Dec 12 03:16:17 2044

Fingerprint (SHA-256):

F3:89:6F:88:FE:7C:0A:88:27:66:A7:FA:6A:D2:74:9F:B5:7A:7F:3E:98:FB:76:9C:1F:A7:B0:9C:2C:44:D5:AE

Fingerprint (SHA1): D5:EC:8D:7B:4C:BA:79:F4:E7:E8:CB:9D:6B:AE:77:83:10:03:21:6A

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "BJCA Global Root CA1"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\325\354\215\173\114\272\171\364\347\350\313\235\153\256\167\203
\020\003\041\152
```

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
\102\062\231\166\103\063\066\044\065\007\202\233\050\371\320\220
```

END

CKA_ISSUER MULTILINE_OCTAL

```
\060\124\061\013\060\011\006\003\125\004\006\023\002\103\116\061
\046\060\044\006\003\125\004\012\014\035\102\105\111\112\111\116
\107\040\103\105\122\124\111\106\111\103\101\124\105\040\101\125
\124\110\117\122\111\124\131\061\035\060\033\006\003\125\004\003
\014\024\102\112\103\101\040\107\154\157\142\141\154\040\122\157
\157\164\040\103\101\061
```

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

```
\002\020\125\157\145\343\264\331\220\152\033\011\321\154\076\300
\154\040
```

```

END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "BJCA Global Root CA2"
#
# Issuer: CN=BJCA Global Root CA2,O=BEIJING CERTIFICATE AUTHORITY,C=CN
# Serial Number:2c:17:08:7d:64:2a:c0:fe:85:18:59:06:cf:b4:4a:eb
# Subject: CN=BJCA Global Root CA2,O=BEIJING CERTIFICATE AUTHORITY,C=CN
# Not Valid Before: Thu Dec 19 03:18:21 2019
# Not Valid After : Mon Dec 12 03:18:21 2044
# Fingerprint (SHA-256):
57:4D:F6:93:1E:27:80:39:66:7B:72:0A:FD:C1:60:0F:C2:7E:B6:6D:D3:09:29:79:FB:73:85:64:87:21:28:82
# Fingerprint (SHA1): F4:27:86:EB:6E:B8:6D:88:31:67:02:FB:BA:66:A4:53:00:AA:7A:A6
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE
CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "BJCA Global Root CA2"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\124\061\013\060\011\006\003\125\004\006\023\002\103\116\061
\046\060\044\006\003\125\004\012\014\035\102\105\111\112\111\116
\107\040\103\105\122\124\111\106\111\103\101\124\105\040\101\125
\124\110\117\122\111\124\131\061\035\060\033\006\003\125\004\003
\014\024\102\112\103\101\040\107\154\157\142\141\154\040\122\157
\157\164\040\103\101\062
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\124\061\013\060\011\006\003\125\004\006\023\002\103\116\061
\046\060\044\006\003\125\004\012\014\035\102\105\111\112\111\116
\107\040\103\105\122\124\111\106\111\103\101\124\105\040\101\125
\124\110\117\122\111\124\131\061\035\060\033\006\003\125\004\003
\014\024\102\112\103\101\040\107\154\157\142\141\154\040\122\157
\157\164\040\103\101\062
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\054\027\010\175\144\052\300\376\205\030\131\006\317\264
\112\353
END
CKA_VALUE
MULTILINE_OCTAL
\060\202\002\045\060\202\001\253\240\003\002\001\002\002\020\054

```

\027\010\175\144\052\300\376\205\030\131\006\317\264\112\353\060
\012\006\010\052\206\110\316\075\004\003\003\060\124\061\013\060
\011\006\003\125\004\006\023\002\103\116\061\046\060\044\006\003
\125\004\012\014\035\102\105\111\112\111\116\107\040\103\105\122
\124\111\106\111\103\101\124\105\040\101\125\124\110\117\122\111
\124\131\061\035\060\033\006\003\125\004\003\014\024\102\112\103
\101\040\107\154\157\142\141\154\040\122\157\157\164\040\103\101
\062\060\036\027\015\061\071\061\062\061\071\060\063\061\070\062
\061\132\027\015\064\064\061\062\061\062\060\063\061\070\062\061
\132\060\124\061\013\060\011\006\003\125\004\006\023\002\103\116
\061\046\060\044\006\003\125\004\012\014\035\102\105\111\112\111
\116\107\040\103\105\122\124\111\106\111\103\101\124\105\040\101
\125\124\110\117\122\111\124\131\061\035\060\033\006\003\125\004
\003\014\024\102\112\103\101\040\107\154\157\142\141\154\040\122
\157\157\164\040\103\101\062\060\166\060\020\006\007\052\206\110
\316\075\002\001\006\005\053\201\004\000\042\003\142\000\004\235
\313\200\221\215\123\147\265\271\120\261\003\370\345\111\037\101
\042\011\260\121\122\130\326\053\064\217\305\022\106\024\305\213
\057\054\204\377\054\156\250\325\361\011\343\003\041\024\304\103
\075\174\301\054\304\113\152\112\315\351\207\340\175\366\042\276
\372\112\121\270\060\212\375\341\336\030\022\012\366\107\267\347
\027\277\047\212\324\101\114\226\074\140\226\301\375\025\034\243
\102\060\100\060\035\006\003\125\035\016\004\026\004\024\322\112
\261\121\177\006\360\321\202\037\116\156\137\253\203\374\110\324
\260\221\060\017\006\003\125\035\023\001\001\377\004\005\060\003
\001\001\377\060\016\006\003\125\035\017\001\001\377\004\004\003
\002\001\006\060\012\006\010\052\206\110\316\075\004\003\003\003
\150\000\060\145\002\060\032\274\133\327\376\251\322\124\016\112
\135\322\155\261\100\334\364\103\325\322\112\231\031\022\126\200
\367\203\064\341\065\116\110\155\004\017\127\061\060\060\055\261
\252\235\003\070\333\006\002\061\000\313\314\207\123\313\172\337
\040\121\163\220\300\250\133\141\320\305\120\071\375\205\376\301
\343\170\370\246\326\113\275\233\207\217\017\345\326\123\226\253
\074\310\100\332\141\367\123\243\367

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRICT_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRICT_AFTER CK_BBOOL CK_FALSE

Trust for "BJCA Global Root CA2"

Issuer: CN=BJCA Global Root CA2,O=BEIJING CERTIFICATE AUTHORITY,C=CN

Serial Number:2c:17:08:7d:64:2a:c0:fe:85:18:59:06:cf:b4:4a:eb

Subject: CN=BJCA Global Root CA2,O=BEIJING CERTIFICATE AUTHORITY,C=CN

Not Valid Before: Thu Dec 19 03:18:21 2019

Not Valid After : Mon Dec 12 03:18:21 2044

Fingerprint (SHA-256):

57:4D:F6:93:1E:27:80:39:66:7B:72:0A:FD:C1:60:0F:C2:7E:B6:6D:D3:09:29:79:FB:73:85:64:87:21:28:82

```

# Fingerprint (SHA1): F4:27:86:EB:6E:B8:6D:88:31:67:02:FB:BA:66:A4:53:00:AA:7A:A6
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN
CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "BJCA Global Root CA2"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\364\047\206\353\156\270\155\210\061\147\002\373\272\146\244\123
\000\252\172\246
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\136\012\366\107\137\246\024\350\021\001\225\077\115\001\353\074
END
CKA_ISSUER MULTILINE_OCTAL
\060\124\061\013\060\011\006\003\125\004\006\023\002\103\116\061
\046\060\044\006\003\125\004\012\014\035\102\105\111\112\111\116
\107\040\103\105\122\124\111\106\111\103\101\124\105\040\101\125
\124\110\117\122\111\124\131\061\035\060\033\006\003\125\004\003
\014\024\102\112\103\101\040\107\154\157\142\141\154\040\122\157
\157\164\040\103\101\062
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\054\027\010\175\144\052\300\376\205\030\131\006\317\264
\112\353
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST
CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

```

Found in path(s):

```

* /opt/cola/permits/1897618148_1706645253.9291418/0/ca-certificates-bundle-20230506-r0-os-alpine-3-18-0-tar-
xz/ca-certificates-20230506-tar-bz2/ca-certificates-20230506/certdata.txt

```

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

```

/* 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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*/

```

Found in path(s):

* /opt/cola/permits/1897618148_1706645253.9291418/0/ca-certificates-bundle-20230506-r0-os-alpine-3-18-0-tar-zx/ca-certificates-20230506-tar-bz2/ca-certificates-20230506/c_rehash.c

1.499 jre 17.0.8.1+8-LTS

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Found in path(s):

* /opt/cola/permits/1918937187_1709056671.2591434/0/semeru17-binaries-jdk-17-0-8-1-1-openj9-0-40-0-tar/semeru17-binaries-jdk-17.0.8.1-1_openj9-0.40.0/README.md

1.500 jaxb-core 2.3.2

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(3.5.2)

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*

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1.502 distro 1.8.0

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The binary file of the original library has been modified by Atlassian in such way that classes have changed their package 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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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

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The primary ANTLR guy:

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

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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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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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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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/*

File: Core.js

Description:

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

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

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

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Version:

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1.513 github.com/jcmtturner/dnsutils/v2 2.0.0

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1.514 github.com/jcmturner/rpc/v2 2.0.3

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1.528 rcrowley-go-metrics 0.0.0-

20201227073835-cf1acfcdf475

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* /opt/cola/permits/2001615595_1714666823.8881104/0/netty-transport-native-epoll-4-1-94-final-sources-3-
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1.531 servlet-api 3.1.0

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