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* /opt/cola/permits/1320304756_1651519748.12/0/servlet-api-4-0-0-sources-4-jar/org/xipki/http/servlet/AbstractHttpServlet.java
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Notices for Jakarta Activation

This content is produced and maintained by Jakarta Activation project.

* Project home: <https://projects.eclipse.org/projects/ee4j.jaf>

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Source Code

The project maintains the following source code repositories:

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

Third-party Content

This project leverages the following third party content.

JUnit (4.12)

* License: Eclipse Public License

1.3 java-client 4.4.4

1.3.1 Available under license :

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

```
/***
 * The MurmurHash3 algorithm was created by Austin Appleby and placed in the public domain.
 * This java port was authored by Yonik Seeley and also placed into the public domain.
 * The author hereby disclaims copyright to this source code.
 * <p>
 * This produces exactly the same hash values as the final C++
 * version of MurmurHash3 and is thus suitable for producing the same hash values across
 * platforms.
 * <p>
 * The 32 bit x86 version of this hash should be the fastest variant for relatively short keys like ids.
 * murmurhash3_x64_128 is a good choice for longer strings or if you need more than 32 bits of hash.
 * <p>
 * Note - The x86 and x64 versions do _not_ produce the same results, as the
 * algorithms are optimized for their respective platforms.
 * <p>
 * See http://github.com/yonik/java\_util for future updates to this file.
 */
```

Found in path(s):

* /opt/cola/permits/1373093287_1658906893.7468934/0/java-client-4-4-4-sources-jar/io/split/client/utils/MurmurHash3.java

1.4 snake-yaml 1.32

1.4.1 Available under license :

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```
/**  
 * Copyright (c) 2008, SnakeYAML  
 *  
 * Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except  
 * in compliance with the License. You may obtain a copy of the License at  
 *  
 * http://www.apache.org/licenses/LICENSE-2.0  
 *  
 * Unless required by applicable law or agreed to in writing, software distributed under the License  
 * is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either  
 * express  
 * or implied. See the License for the specific language governing permissions and limitations under  
 * the License.  
 */
```

Found in path(s):

```
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/util/EnumUtils.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/constructor/SafeConstructor.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/events/MappingStartEvent.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/events/ImplicitTuple.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/parser/VersionTagsTuple.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/tokens/StreamStartToken.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/error/YAMLError.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/events/StreamEndEvent.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/tokens/WhitespaceToken.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/util/ArrayUtils.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/scanner/Scanner.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/emitter/EmitterState.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/constructor/ConstructorException.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/parser/ParserImpl.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-
```

```
jar/org/yaml/snakeyaml/extensions/compactnotation/CompactData.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/parser/Parser.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/reader/StreamReader.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/scanner/Constant.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/events/ScalarEvent.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/scanner/ScannerImpl.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/constructor/Construct.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/emitter/Emitter.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/representer/Representer.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/representer/Represent.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/events/NodeEvent.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/emitter/ScalarAnalysis.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/events/CommentEvent.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/tokens/BlockMappingStartToken.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/DumperOptions.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/scanner/SimpleKey.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/nodes/CollectionNode.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/tokens/TagTuple.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/tokens/ScalarToken.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/tokens/DocumentEndToken.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/events/SequenceEndEvent.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/introspector/BeanAccess.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/comments/CommentLine.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/constructor/DuplicateKeyException.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-
```

```
jar/org/yaml/snakeyaml/emitter/Emitable.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/serializer/SerializerException.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/nodes/SequenceNode.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/nodes/AnchorNode.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/tokens/DocumentStartToken.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/tokens	TokenName.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/events/AliasEvent.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/nodes/NodeId.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/tokens/AnchorToken.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/tokens/FlowEntryToken.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/tokens/KeyToken.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/nodes/ScalarNode.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/nodes/Tag.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/constructor/Constructor.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/tokens/BlockEntryToken.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/TypeDescription.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/parser/Production.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/util/ArrayStack.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/tokens/FlowSequenceEndToken.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/composer/Composer.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/tokens/TagToken.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/events/DocumentEndEvent.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/introspector/Property.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/nodes/Node.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-
```

```
jar/org/yaml/snakeyaml/tokens/DirectiveToken.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/events/CollectionEndEvent.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/comments/CommentEventsCollector.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/constructor/BaseConstructor.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/resolver/Resolver.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/introspector/FieldProperty.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/introspector/PropertyUtils.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/tokens/ValueToken.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/comments/CommentType.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/representer/BaseRepresenter.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/serializer/Serializer.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/introspector/MethodProperty.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/reader/UnicodeReader.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/error/MissingEnvironmentVariableException.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/introspector/PropertySubstitute.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/tokens/FlowMappingStartToken.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/Yaml.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/events/CollectionStartEvent.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/scanner/ScannerException.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/nodes/NodeTuple.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/LoaderOptions.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/tokens/CommentToken.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/composer/ComposerException.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/extensions/compactnotation/PackageCompactConstructor.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-
```

```
jar/org/yaml/snakeyaml/constructor/AbstractConstruct.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/emitter/EmitterException.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/tokens/AliasToken.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/constructor/CustomClassLoaderConstructor.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/events/Event.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/events/MappingEndEvent.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/events/StreamStartEvent.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/serializer/NumberAnchorGenerator.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/tokens/BlockSequenceStartToken.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/parser/ParserException.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/events/DocumentStartEvent.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/error/Mark.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/tokens/BlockEndToken.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/nodes/MappingNode.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/util/PlatformFeatureDetector.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/util/UriEncoder.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/tokens/StreamEndToken.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/resolver/ResolverTuple.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/tokens/FlowSequenceStartToken.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/env/EnvScalarConstructor.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/introspector/GetProperty.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/serializer/AnchorGenerator.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/error/MarkedYAMLError.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/introspector/MissingProperty.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-
```

```
jar/org/yaml/snakeyaml/reader/ReaderException.java
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-
jar/org/yaml/snakeyaml/extensions/compactnotation/CompactConstructor.java
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-
jar/org/yaml/snakeyaml/tokens/FlowMappingEndToken.java
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-
jar/org/yaml/snakeyaml/representer/SafeRepresenter.java
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-
jar/org/yaml/snakeyaml/events/SequenceStartEvent.java
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```

```
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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>
 * Multi-licensed: EPL / LGPL / GPL / AL / BSD.
 */

```

Found in path(s):

```
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-
jar/org/yaml/snakeyaml/external/biz/base64Coder/Base64Coder.java
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```

Found in path(s):

```
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-jar/META-
INF/maven/org.yaml/snakeyaml/pom.xml
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Found in path(s):

```
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/external/com/google/gdata/util/common/base/UnicodeEscaper.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/external/com/google/gdata/util/common/base/PercentEscaper.java  
* /opt/cola/permits/1501219078_1670449894.682928/0/snakeyaml-1-32-sources-2-  
jar/org/yaml/snakeyaml/external/com/google/gdata/util/common/base/Escaper.java
```

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1.5 nimbus-jose-jwt 9.23

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* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-jar/com/nimbusds/jose/jwk/source/JWKSecurityContextJWKSet.java

* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-jar/com/nimbusds/jose/crypto/impl/ECDHCryptoProvider.java

* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-jar/com/nimbusds/jose/proc/JOSEObjectTypeVerifier.java

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* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-jar/com/nimbusds/jose/util/Base64Codec.java

* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-jar/com/nimbusds/jose/crypto/Ed25519Signer.java

* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-jar/com/nimbusds/jose/crypto/X25519Decrypter.java

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jar/com/nimbusds/jose/crypto/factories/DefaultJWSSignerFactory.java
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jar/com/nimbusds/jose/crypto/ECDH1PUEncrypter.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/impl/ECDH1PU.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/ECDSA1PUX25519Decrypter.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/ECDSA1PUX25519Encrypter.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/JSONSerializable.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/impl/ECDH1PUCryptoProvider.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/mint/package-info.java
```

```
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/util/Pair.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/impl/XC20P.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/JWSObjectJSON.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/ECDH1PUDecrypter.java
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* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/bc/BouncyCastleFIPSProviderSingleton.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/bc/package-info.java
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* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-jar/com/nimbusds/jose/proc/JWEDecrypterFactory.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-jar/com/nimbusds/jose/KeyTypeException.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-jar/com/nimbusds/jose/util/package-info.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-jar/com/nimbusds/jose/crypto/ECDSASigner.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-jar/com/nimbusds/jose/crypto/bc/BouncyCastleProviderSingleton.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-jar/com/nimbusds/jwt/proc/ConfigurableJWTProcessor.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-jar/com/nimbusds/jose/proc/JOSEProcessor.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-jar/com/nimbusds/jose/JWSSigner.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-jar/com/nimbusds/jwt/proc/BadJWTException.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-jar/com/nimbusds/jose/crypto/MACSigner.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-jar/com/nimbusds/jose/crypto/PasswordBasedDecrypter.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-jar/com/nimbusds/jose/RemoteKeySourceException.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-jar/com/nimbusds/jose/crypto/ECDSAVerifier.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-jar/com/nimbusds/jose/jwk/KeyType.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-jar/com/nimbusds/jose/jwk/RSAKey.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-jar/com/nimbusds/jose/proc/JWEKeySelector.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-jar/com/nimbusds/jose/crypto/factories/package-info.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-jar/com/nimbusds/jose/JOSEObject.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-jar/com/nimbusds/jose/JWSHeader.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-jar/com/nimbusds/jose/JWECryptoParts.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-jar/com/nimbusds/jose/KeyException.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-jar/com/nimbusds/jwt/JWTClaimsSetTransformer.java

```
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jwt/proc/ClockSkewAware.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/proc/BadJOSEException.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jwt/JWTClaimsSet.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jwt/proc/DefaultJWTClaimsVerifier.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/EncryptionMethod.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/jca/package-info.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jwt/JWTParser.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/jwk/source/RemoteJWKSet.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/proc/BadJWEEException.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/PasswordBasedEncrypter.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/jwk/JWK.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/Requirement.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/RSASSAVerifier.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/PlainObject.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jwt/package-info.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/jwk/ThumbprintUtils.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/jwk/OctetSequenceKey.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/jwk/KeyConverter.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/RSASSASigner.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/jwk/JWKMetadata.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/jwk/ECKey.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/PlainHeader.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jwt/proc/package-info.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/util/BigIntegerUtils.java
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* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/jwk/source/JWKSource.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/JWSObject.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/JWEDecrypter.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/factories/DefaultJWSVerifierFactory.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/KeySourceException.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/proc/package-info.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
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* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/proc/BadJWSEception.java
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* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
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* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/JWEHeader.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/util/ArrayUtils.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/jca/JCASupport.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/util/Base64URL.java
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jar/com/nimbusds/jose/jwk/ECPParameterTable.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
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* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
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* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/util/ByteUtils.java
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* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
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* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
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* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/util/JSONArrayUtils.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/jwk/KeyUse.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/proc/AbstractJWKSelectorWithSource.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/JOSEObjectType.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
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* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
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* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jwt/EncryptedJWT.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
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* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/MACVerifier.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/jca/JCAContext.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jwt/proc/JWTClaimsSetVerifier.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jwt/PlainJWT.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/Header.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/JWSVerifier.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/proc/ConfigurableJOSEProcessor.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
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* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
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* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
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* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/Payload.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/util/DefaultResourceRetriever.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jwt/proc/JWTProcessor.java
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* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/proc/SecurityContext.java
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jar/com/nimbusds/jwt/proc/JWTProcessorConfiguration.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
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* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/JWEProvider.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/KeyLengthException.java
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jar/com/nimbusds/jose/Algorithm.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
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* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/util/DateUtils.java
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jar/com/nimbusds/jose/crypto/package-info.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/factories/DefaultJWEDecrypterFactory.java
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* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
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* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/JWEAlgorithm.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/JWSAlgorithm.java
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jar/com/nimbusds/jwt/SignedJWT.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
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jar/com/nimbusds/jose/CriticalHeaderParamsAware.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/proc/JWSVerifierFactory.java
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* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
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* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
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jar/com/nimbusds/jose/util/RestrictedResourceRetriever.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
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* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
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* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
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* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
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* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
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* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
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* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
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* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/util/AbstractRestrictedResourceRetriever.java
```

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```
/*
 * nimbus-jose-jwt
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Found in path(s):

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* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/impl/CompositeKey.java
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* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/IllegalHeaderException.java
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* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/impl/RSASSA.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/impl/RSACryptoProvider.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/jwk/gen/OctetSequenceKeyGenerator.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/ActionRequiredForJWSCompletionException.java
```

```
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/impl/ECDSAProvider.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/impl/CipherHelper.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/jwk/gen/package-info.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/impl/MACProvider.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/jwk/PasswordLookup.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/impl/AESGCM.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/jwk/OctetKeyPair.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/impl/BaseJWSProvider.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/impl/PBKDF2.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/opts/package-info.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/impl/AESCBC.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/util/BoundedInputStream.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/jwk/gen/ECKeyGenerator.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/impl/CriticalHeaderParamsDeferral.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/util/JSONStringUtils.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/impl/PasswordBasedCryptoProvider.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/util/Container.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/impl/DirectCryptoProvider.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/jwk/PEMEncodedKeyParser.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/impl/AESEncryptorProvider.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/proc/DefaultJOSEObjectTypeVerifier.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/proc/JWKSecurityContext.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/CompletableFutureJWSObjectSigning.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/jwk/gen/RSAKeyGenerator.java
```

```
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/utils/ConstantTimeUtils.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/jwk/JWKException.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/impl/EdDSAPrvider.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/opts/OptionUtils.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/impl/AESGCMKW.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/impl/ECDSA.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/impl/HMAC.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/jwk/KeyUseAndOpsConsistency.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/produce/JWSSignerFactory.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/impl/AuthenticatedCipherText.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/AESEncrypter.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/jwk/CurveBasedJWK.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/opts/AllowWeakRSAKey.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/impl/PRFParams.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/impl/DeflateHelper.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/opts/UserAuthenticationRequired.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/JWSSignerOption.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/jwk/ThumbprintURL.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/impl/AlgorithmParametersHelper.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/jwk/gen/JWKGenerator.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/jwk/source/JWKSetCache.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/impl/ConcatKDF.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/impl/ECDH.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/impl/RSA_OAEP_SHA2.java
```

```
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/impl/RSA1_5.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/HeaderValidation.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/util/KeyUtils.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/crypto/impl/package-info.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/produce/package-info.java
```

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```
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-
jar/com/nimbusds/jose/jwk/gen/OctetKeyPairGenerator.java
```

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* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-jar/com/nimbusds/jose/proc/JWEEncryptionKeySelector.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-jar/com/nimbusds/jose/proc/JWSVerificationKeySelector.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-jar/com/nimbusds/jose/proc/DefaultJOSEProcessor.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-jar/com/nimbusds/jose/proc/JOSEProcessorConfiguration.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-jar/com/nimbusds/jose/proc/JWSAlgorithmFamilyJWSKeySelector.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-jar/com/nimbusds/jose/jwk/JWKMatcher.java
* /opt/cola/permits/1346018758_1655395483.0758605/0/nimbus-jose-jwt-9-23-sources-1-jar/com/nimbusds/jose/crypto/ECDHEncrypter.java

1.6 spring-context 5.3.23

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1.7 hdrhistogram 2.1.12

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 */
```

Found in path(s):

```
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-jar/org/HdrHistogram/WriterReaderPhaser.java
```

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```

Found in path(s):

```
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-jar/org/HdrHistogram/DoublePercentileIterator.java  
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-jar/org/HdrHistogram/ZigZagEncoding.java  
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-jar/org/HdrHistogram/AllValuesIterator.java  
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-jar/org/HdrHistogram/Base64Helper.java  
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-jar/org/HdrHistogram/IntCountsHistogram.java  
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-jar/org/HdrHistogram/DoubleLinearIterator.java  
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-jar/org/HdrHistogram/PackedConcurrentDoubleHistogram.java  
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-jar/org/HdrHistogram/SynchronizedHistogram.java  
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-jar/org/HdrHistogram/packedarray/PackedArraySingleWriterRecorder.java  
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-jar/org/HdrHistogram/Histogram.java  
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-jar/org/HdrHistogram/LogarithmicIterator.java  
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-jar/org/HdrHistogram/Version.java  
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-jar/org/HdrHistogram/RecordedValuesIterator.java  
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-jar/org/HdrHistogram/LinearIterator.java  
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-jar/org/HdrHistogram/PackedDoubleHistogram.java  
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-jar/org/HdrHistogram/AtomicHistogram.java  
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-jar/org/HdrHistogram/HistogramIterationValue.java  
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-
```

```
jar/org/HdrHistogram/Recorder.java
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-
jar/org/HdrHistogram/ConcurrentDoubleHistogram.java
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-
jar/org/HdrHistogram/HistogramLogReader.java
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-
jar/org/HdrHistogram/HistogramLogProcessor.java
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-
jar/org/HdrHistogram/PackedHistogram.java
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-
jar/org/HdrHistogram/SingleWriterDoubleRecorder.java
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-
jar/org/HdrHistogram/DoubleRecorder.java
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-
jar/org/HdrHistogram/DoubleHistogramIterationValue.java
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-
jar/org/HdrHistogram/AbstractHistogramIterator.java
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-
jar/org/HdrHistogram/SynchronizedDoubleHistogram.java
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-
jar/org/HdrHistogram/PercentileIterator.java
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-
jar/org/HdrHistogram/PackedConcurrentHistogram.java
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-
jar/org/HdrHistogram/DoubleRecordedValuesIterator.java
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-
jar/org/HdrHistogram/DoubleAllValuesIterator.java
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-
jar/org/HdrHistogram/SingleWriterRecorder.java
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-
jar/org/HdrHistogram/DoubleLogarithmicIterator.java
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-
jar/org/HdrHistogram/ShortCountsHistogram.java
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-
jar/org/HdrHistogram/EncodableHistogram.java
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-
jar/org/HdrHistogram/HistogramLogScanner.java
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-
jar/org/HdrHistogram/packedarray/PackedArrayRecorder.java
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-
jar/org/HdrHistogram/ConcurrentHistogram.java
```

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```

*/

Found in path(s):

```
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-jar/org/HdrHistogram/AbstractHistogram.java  
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-jar/org/HdrHistogram/DoubleHistogram.java
```

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/*

```
* package-info.java  
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```

Found in path(s):

```
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-jar/org/HdrHistogram/package-info.java
```

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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="$BUILD_TIME$";  
}
```

Found in path(s):

```
* /opt/cola/permits/1257203437_1642787675.09/0/hdrhistogram-2-1-12-sources-jar/org/HdrHistogram/Version.java.template
```

1.8 kafka 2.18.41

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1.9 classmate 1.5.1

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

Other developers who have contributed code are:

* Brian Langel

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1.10 netty-codec 4.1.86.Final

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 */
/***
 * Enumeration of supported Base64 dialects.
 * <p>
 * The internal lookup tables in this class has been derived from
 * <a href="http://iharder.sourceforge.net/current/java/base64/">Robert Harder's Public Domain
 * Base64 Encoder/Decoder</a>.
 */

```

Found in path(s):

* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-jar/io/netty/handler/codec/base64/Base64Dialect.java

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```
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-  
jar/io/netty/handler/codec/DatagramPacketDecoder.java  
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-  
jar/io/netty/handler/codec/compression/CompressionUtil.java  
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-  
jar/io/netty/handler/codec/string/LineSeparator.java  
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-  
jar/io/netty/handler/codec/DateFormatter.java  
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-  
jar/io/netty/handler/codec/CodecOutputList.java  
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-  
jar/io/netty/handler/codec/DatagramPacketEncoder.java  
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-  
jar/io/netty/handler/codec/compression/ByteBufChecksum.java  
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-  
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```
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jar/io/netty/handler/codec/compression/Lz4XXHash32.java
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```
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image/io.netty/netty-codec/native-image.properties
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```
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jar/io/netty/handler/codec/compression/CompressionOptions.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/compression/BrotliDecoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/compression/BrotliOptions.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/compression/Zstd.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/compression/StandardCompressionOptions.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/compression/ZstdConstants.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/compression/Brotli.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/compression/ZstdOptions.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/compression/GzipOptions.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
```

```
jar/io/netty/handler/codec/compression/ZstdEncoder.java  
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-  
jar/io/netty/handler/codec/compression/BrotliEncoder.java  
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-  
jar/io/netty/handler/codec/compression/DeflateOptions.java
```

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 * under the License.  
 */  
/**  
 * A decoder that splits the received {@link ByteBuf}s dynamically by the  
 * value of the length field in the message. It is particularly useful when you  
 * decode a binary message which has an integer header field that represents the  
 * length of the message body or the whole message.  
 * <p>  
 * {@link LengthFieldBasedFrameDecoder} has many configuration parameters so  
 * that it can decode any message with a length field, which is often seen in  
 * proprietary client-server protocols. Here are some example that will give  
 * you the basic idea on which option does what.  
 *  
 * <h3>2 bytes length field at offset 0, do not strip header</h3>  
 *  
 * The value of the length field in this example is <tt>12 (0x0C)</tt> which  
 * represents the length of "HELLO, WORLD". By default, the decoder assumes  
 * that the length field represents the number of the bytes that follows the  
 * length field. Therefore, it can be decoded with the simplistic parameter  
 * combination.  
 * <pre>  
 * <b>lengthFieldOffset</b> = <b>0</b>  
 * <b>lengthFieldLength</b> = <b>2</b>  
 * <b>lengthAdjustment</b> = 0  
 * <b>initialBytesToStrip</b> = 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 ByteBuff#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/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java
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* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-jar/io/netty/handler/codec/compression/Bzip2MTFAndRLE2StageEncoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-jar/io/netty/handler/codec/compression/FastLzFrameDecoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-jar/io/netty/handler/codec/compression/Bzip2BitWriter.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-jar/io/netty/handler/codec/compression/Crc32.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-jar/io/netty/handler/codec/compression/Lz4FrameDecoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-jar/io/netty/handler/codec/compression/Bzip2Constants.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-jar/io/netty/handler/codec/compression/LzfEncoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-jar/io/netty/handler/codec/compression/Bzip2BlockCompressor.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-jar/io/netty/handler/codec/compression/Bzip2Encoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-jar/io/netty/handler/codec/compression/SnappyFramedDecoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-jar/io/netty/handler/codec/compression/Bzip2BlockDecompressor.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-jar/io/netty/handler/codec/json/package-info.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-jar/io/netty/handler/codec/DecoderResultProvider.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-jar/io/netty/handler/codec/compression/Lz4Constants.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-jar/io/netty/handler/codec/compression/SnappyFramedEncoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-jar/io/netty/handler/codec/compression/Lz4FrameEncoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-jar/io/netty/handler/codec/compression/LzfDecoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-jar/io/netty/handler/codec/compression/Bzip2Rand.java

```
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/compression/Bzip2BitReader.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/MessageAggregationException.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/json/JsonObjectDecoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/compression/Bzip2Decoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/compression/Bzip2HuffmanStageDecoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/compression/FastLzFrameEncoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/AsciiHeadersEncoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/compression/Bzip2MoveToFrontTable.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/compression/Bzip2HuffmanStageEncoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/compression/Bzip2DivSufSort.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/compression/FastLz.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/compression/LzmaFrameEncoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/compression/Bzip2HuffmanAllocator.java
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 */
/**
```

```
* Utility class for {@link ByteBuf} that encodes and decodes to and from
* <a href="https://en.wikipedia.org/wiki/Base64">Base64</a> notation.
* <p>
* The encoding and decoding algorithm in this class has been derived from
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jar/io/netty/handler/codec/UnsupportedValueConverter.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/protobuf/ProtobufDecoderNano.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/ProtocolDetectionState.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/protobuf/ProtobufVarint32FrameDecoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/protobuf/ProtobufDecoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/HeadersUtils.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/protobuf/ProtobufEncoderNano.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/protobuf/ProtobufVarint32LengthFieldPrepender.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/ProtocolDetectionResult.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/protobuf/ProtobufEncoder.java
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jar/io/netty/handler/codec/EmptyHeaders.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/Headers.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/DefaultHeaders.java
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jar/io/netty/handler/codec/xml/XmlFrameDecoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/compression/JdkZlibDecoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
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jar/io/netty/handler/codec/xml/package-info.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/marshalling/MarshallingEncoder.java
```

```
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/compression/JdkZlibEncoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/compression/SnappyFrameDecoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/base64/Base64Decoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/compression/Snappy.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/serialization/CachingClassResolver.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/serialization/package-info.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/LineBasedFrameDecoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/serialization/SoftReferenceMap.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/MessageAggregator.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/serialization/ObjectEncoderOutputStream.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/serialization/ObjectDecoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/serialization/CompatibleObjectEncoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/compression/ZlibDecoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/serialization/ObjectDecoderInputStream.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/compression/ZlibCodecFactory.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/serialization/CompactObjectOutputStream.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/MessageToMessageEncoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/marshalling/MarshallingDecoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/EncoderException.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/Delimiters.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/marshalling/ThreadLocalMarshallerProvider.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/TooLongFrameException.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/serialization/ReferenceMap.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/bytes/ByteArrayEncoder.java
```

```
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/marshalling/ChannelBufferByteOutput.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/DelimiterBasedFrameDecoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/compression/JZlibEncoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/serialization/WeakReferenceMap.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/compression/ZlibUtil.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/string/StringDecoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/marshalling/ThreadLocalUnmarshallerProvider.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/serialization/ObjectEncoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/marshalling/MarshallerProvider.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/DecoderResult.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/bytes/ByteArrayDecoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/compression/JZlibDecoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/package-info.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/marshalling/ChannelBufferByteInput.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/ReplayingDecoderByteBuf.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/string/package-info.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/LengthFieldPrepender.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/marshalling/CompatibleMarshallingEncoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/marshalling/DefaultMarshallerProvider.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/marshalling/package-info.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/marshalling/LimitingByteInput.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/string/StringEncoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/serialization/CompactObjectInputStream.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/compression/DecompressionException.java
```

```
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/UnsupportedMessageTypeException.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/marshalling/DefaultUnmarshallerProvider.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/CorruptedFrameException.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/FixedLengthFrameDecoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/serialization/ClassResolver.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/base64/package-info.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/compression/ZlibWrapper.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/ByteToMessageCodec.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/DecoderException.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/compression/package-info.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/MessageToByteEncoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/compression/SnappyFrameEncoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/MessageToMessageCodec.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/marshalling/UnmarshallerProvider.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/compression/CompressionException.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/marshalling/CompatibleMarshallingDecoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/serialization/ClassLoaderClassResolver.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/PrematureChannelClosureException.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/ReplayingDecoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/compression/ZlibEncoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/marshalling/ContextBoundUnmarshallerProvider.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/MessageToMessageDecoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/bytes/package-info.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/ByteToMessageDecoder.java
```

```
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/serialization/ClassResolvers.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/base64/Base64Encoder.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/CodecException.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/protobuf/package-info.java
```

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

```
/*
 * Copyright 2015 The Netty Project
 *
 * The Netty Project licenses this file to you under the Apache License, version 2.0 (the
 * "License"); you may not use this file except in compliance with the License. You may obtain a
 * copy of the License at:
 *
 * https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software distributed under the License
 * is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either
 * express
 * or implied. See the License for the specific language governing permissions and limitations under
 * the License.
 */
```

Found in path(s):

```
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/ValueConverter.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/CharSequenceValueConverter.java
* /opt/cola/permits/1534587292_1673951756.095006/0/netty-codec-4-1-86-final-sources-1-
jar/io/netty/handler/codec/DefaultHeadersImpl.java
```

1.11 ca-certificates 20220614-r0

1.11.1 Available under license :

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
 *
 * 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/1376394069_1659497040.3993607/0/ca-certificates-20220614-tar-bz2/ca-certificates-20220614/c_rehash.c

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_REPUTATION 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 Built-in 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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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:04:00:00:00:00:01:15:4b: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

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\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\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\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_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\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\132\027\015\063\066\060\067\061\066
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\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\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

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\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\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\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

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\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

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\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\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_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

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|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  
|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_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|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
```

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# 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

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# 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

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\003\125\004\013\024\067\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\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

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|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  
|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_DISTRUST_AFTER CK_BBOOL CK_FALSE  
CKA_NSS EMAIL_DISTRUST_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 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 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
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\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

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\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

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|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_DISTRUST_AFTER CK_BBOOL CK_FALSE

CKA_NSS EMAIL_DISTRUST_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

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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\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\056\145\156\164\162\165\163\164\056\156

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\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|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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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

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```
|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_DISTRUST_AFTER CK_BBOOL CK_FALSE  
CKA_NSS_EMAIL_DISTRUST_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\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"

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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\155\151\164\145\144\061\041\060\037\006\003
|125\004\003\014\030\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\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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS EMAIL_DISTRUST_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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS EMAIL_DISTRUST_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\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

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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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

#

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# 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

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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRUST_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):

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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\\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\\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\\145\\162\\143\\145\\040\\122\\157\\157\\164
\\060\\036\\027\\015\\060\\063\\060\\071\\063\\060\\061\\066\\061\\063\\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

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\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

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\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\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 "Camerfirma Global Chambersign Root"
#
# Issuer: CN=Global Chambersign Root,OU=http://www.chambersign.org,O=AC Camerfirma SA CIF
A82743287,C=EU
# Serial Number: 0 (0x0)
# Subject: CN=Global Chambersign Root,OU=http://www.chambersign.org,O=AC Camerfirma SA CIF
A82743287,C=EU
# Not Valid Before: Tue Sep 30 16:14:18 2003
# Not Valid After : Wed Sep 30 16:14:18 2037
# Fingerprint (SHA-256):
EF:3C:B4:17:FC:8E:BF:6F:97:87:6C:9E:4E:CE:39:DE:1E:A5:FE:64:91:41:D1:02:8B:7D:11:C0:B2:29:8C:ED
# Fingerprint (SHA1): 33:9B:6B:14:50:24:9B:55:7A:01:87:72:84:D9:E0:2F:C3:D2:D8: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 "Camerfirma Global Chambersign Root"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA SUBJECT MULTILINE_OCTAL
\060\175\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\167\167\167\056\143\150
\141\155\142\145\162\163\151\147\156\056\157\162\147\061\040\060
\036\006\003\125\004\003\023\027\107\154\157\142\141\154\040\103
\150\141\155\142\145\162\163\151\147\156\040\122\157\157\164
END
CKA_ID UTF8 "0"

```

CKA_ISSUER MULTILINE_OCTAL
|060\175\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\040\060
|036\006\003\125\004\003\023\027\107\154\157\142\141\154\040\103
|150\141\155\142\145\162\163\151\147\156\040\122\157\157\164
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
|002\001\000
END
CKA_VALUE MULTILINE_OCTAL
|060\202\004\305\060\202\003\255\240\003\002\001\002\002\001\000
|060\015\006\011\052\206\110\206\367\015\001\001\005\005\000\060
|175\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\040\060\036
|006\003\125\004\003\023\027\107\154\157\142\141\154\040\103\150
|141\155\142\145\162\163\151\147\156\040\122\157\157\164\060\036
|027\015\060\063\060\071\063\060\061\066\061\064\061\070\132\027
|015\063\067\060\071\063\060\061\066\061\064\061\070\132\060\175
|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\040\060\036\006
|003\125\004\003\023\027\107\154\157\142\141\154\040\103\150\141
|155\142\145\162\163\151\147\156\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\242\160
|242\320\237\102\256\133\027\307\330\175\317\024\203\374\117\311
|241\267\023\257\212\327\236\076\004\012\222\213\140\126\372\264
|062\057\210\115\241\140\010\364\267\011\116\240\111\057\111\326
|323\337\235\227\132\237\224\004\160\354\077\131\331\267\314\146
|213\230\122\050\011\002\337\305\057\204\215\172\227\167\277\354
|100\235\045\162\253\265\077\062\230\373\267\267\374\162\204\345
|065\207\371\125\372\243\037\016\157\056\050\335\151\240\331\102
|020\306\370\265\104\302\320\103\177\333\274\344\242\074\152\125
|170\012\167\251\330\352\031\062\267\057\376\134\077\033\356\261
|230\354\312\255\172\151\105\343\226\017\125\366\346\355\165\352
|145\350\062\126\223\106\211\250\045\212\145\006\356\153\277\171
|007\320\361\267\257\355\054\115\222\273\300\250\137\247\147\175

\004\362\025\010\160\254\222\326\175\004\322\063\373\114\266\013
\013\373\032\311\304\215\003\251\176\134\362\120\253\022\245\241
\317\110\120\245\357\322\310\032\023\372\260\177\261\202\034\167
\152\017\137\334\013\225\217\357\103\176\346\105\011\045\002\001
\003\243\202\001\120\060\202\001\114\060\022\006\003\125\035\023
\001\001\377\004\010\060\006\001\001\377\002\001\014\060\077\006
\003\125\035\037\004\070\060\066\060\064\240\062\240\060\206\056
\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\151\147\156\162\157\157\164\056\143\162\154\060\035
\006\003\125\035\016\004\026\004\024\103\234\066\237\260\236\060
\115\306\316\137\255\020\253\345\003\245\372\251\024\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\052\006\003\125\035\021\004\043\060\041\201\037\143\150\141
\155\142\145\162\163\151\147\156\162\157\157\164\100\143\150\141
\155\142\145\162\163\151\147\156\056\157\162\147\060\052\006\003
\125\035\022\004\043\060\041\201\037\143\150\141\155\142\145\162
\163\151\147\156\162\157\157\164\100\143\150\141\155\142\145\162
\163\151\147\156\056\157\162\147\060\133\006\003\125\035\040\004
\124\060\122\060\120\006\013\053\006\001\004\001\201\207\056\012
\001\001\060\101\060\077\006\010\053\006\001\005\005\007\002\001
\026\063\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\151\147\156\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\074\073\160\221\371\004\124
\047\221\341\355\355\376\150\177\141\135\345\101\145\117\062\361
\030\005\224\152\034\336\037\160\333\076\173\062\002\064\265\014
\154\241\212\174\245\364\217\377\324\330\255\027\325\055\004\321
\077\130\200\342\201\131\210\276\300\343\106\223\044\376\220\275
\046\242\060\055\350\227\046\127\065\211\164\226\030\366\025\342
\257\044\031\126\002\002\262\272\017\024\352\306\212\146\301\206
\105\125\213\276\222\276\234\244\004\307\111\074\236\350\051\172
\211\327\376\257\377\150\365\245\027\220\275\254\231\314\245\206
\127\011\147\106\333\326\026\302\106\361\344\251\120\365\217\321
\222\025\323\137\076\306\000\111\072\156\130\262\321\321\047\015
\045\310\062\370\040\021\315\175\062\063\110\224\124\114\335\334
\171\304\060\237\353\216\270\125\265\327\210\134\305\152\044\075
\262\323\005\003\121\306\007\357\314\024\162\164\075\156\162\316
\030\050\214\112\240\167\345\011\053\105\104\107\254\267\147\177
\001\212\005\132\223\276\241\301\377\370\347\016\147\244\107\111
\166\135\165\220\032\365\046\217\360

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

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\062\061\060\063\060\061\060\060\060\060\060\060\132
END

# Trust for "Camerfirma Global Chambersign Root"
# Issuer: CN=Global Chambersign Root,OU=http://www.chambersign.org,O=AC Camerfirma SA CIF
A82743287,C=EU
# Serial Number: 0 (0x0)
# Subject: CN=Global Chambersign Root,OU=http://www.chambersign.org,O=AC Camerfirma SA CIF
A82743287,C=EU
# Not Valid Before: Tue Sep 30 16:14:18 2003
# Not Valid After : Wed Sep 30 16:14:18 2037
# Fingerprint (SHA-256):
EF:3C:B4:17:FC:8E:BF:6F:97:87:6C:9E:4E:CE:39:DE:1E:A5:FE:64:91:41:D1:02:8B:7D:11:C0:B2:29:8C:ED
# Fingerprint (SHA1): 33:9B:6B:14:50:24:9B:55:7A:01:87:72:84:D9:E0:2F:C3:D2:D8: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 "Camerfirma Global Chambersign Root"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\063\233\153\024\120\044\233\125\172\001\207\162\204\331\340\057
\303\322\330\351
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\305\346\173\277\006\320\117\103\355\304\172\145\212\373\153\031
END
CKA_ISSUER MULTILINE_OCTAL
\060\175\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\040\060
\036\006\003\125\004\003\023\027\107\154\157\142\141\154\040\103
\150\141\155\142\145\162\163\151\147\156\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

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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 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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE  
CKA_NSS EMAIL_DISTRUST_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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS EMAIL_DISTRUST_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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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"

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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"
#
# 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

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\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
\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\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
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|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  
|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

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\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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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 Platinum CA - G2"
#
# Issuer: CN=SwissSign Platinum CA - G2,O=SwissSign AG,C=CH
# Serial Number:4e:b2:00:67:0c:03:5d:4f
# Subject: CN=SwissSign Platinum CA - G2,O=SwissSign AG,C=CH
# Not Valid Before: Wed Oct 25 08:36:00 2006
# Not Valid After : Sat Oct 25 08:36:00 2036
# Fingerprint (SHA-256):
3B:22:2E:56:67:11:E9:92:30:0D:C0:B1:5A:B9:47:3D:AF:DE:F8:C8:4D:0C:EF:7D:33:17:B4:C1:82:1D:14:36
# Fingerprint (SHA1): 56:E0:FA:C0:3B:8F:18:23:55:18:E5:D3:11:CA:E8:C2:43:31:AB: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 "SwissSign Platinum CA - G2"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA SUBJECT MULTILINE_OCTAL
\060\111\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\043\060\041\006\003\125\004\003\023
\032\123\167\151\163\163\123\151\147\156\040\120\154\141\164\151
\156\165\155\040\103\101\040\055\040\107\062
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\111\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\043\060\041\006\003\125\004\003\023
\032\123\167\151\163\163\123\151\147\156\040\120\154\141\164\151
\156\165\155\040\103\101\040\055\040\107\062
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\010\116\262\000\147\014\003\135\117
END
CKA_VALUE MULTILINE_OCTAL
\060\202\005\301\060\202\003\251\240\003\002\001\002\002\010\116
\262\000\147\014\003\135\117\060\015\006\011\052\206\110\206\367
\015\001\001\005\005\000\060\111\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\043\060\041
\006\003\125\004\003\023\032\123\167\151\163\163\123\151\147\156
\040\120\154\141\164\151\156\165\155\040\103\101\040\055\040\107
\062\060\036\027\015\060\066\061\060\062\065\060\070\063\066\060
\060\132\027\015\063\066\061\060\062\065\060\070\063\066\060\060
\132\060\111\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\043\060\041\006\003\125\004\003
\023\032\123\167\151\163\163\123\151\147\156\040\120\154\141\164
\151\156\165\155\040\103\101\040\055\040\107\062\060\202\002\042
\060\015\006\011\052\206\110\206\367\015\001\001\005\000\003
\202\002\017\000\060\202\002\012\002\202\002\001\000\312\337\242
\002\342\332\370\374\007\026\261\336\140\252\336\226\134\144\037
\307\057\176\317\147\372\104\102\326\166\143\225\256\353\257\162
\040\212\105\107\206\142\170\206\326\040\071\046\364\256\243\375
\043\347\245\234\265\042\041\031\267\067\223\042\300\120\234\202
\173\324\325\004\104\134\313\264\302\237\222\276\044\330\173\147
\042\342\151\137\345\005\170\324\207\331\161\160\063\045\123\264
\207\073\051\220\050\066\232\125\104\060\150\244\203\227\177\015
\036\234\166\377\025\235\140\227\000\215\212\205\003\354\200\276
\352\054\156\020\121\222\314\176\325\243\063\330\326\111\336\130
\052\257\366\026\353\113\173\220\062\227\271\272\235\130\361\370
\127\111\004\036\242\135\006\160\335\161\333\371\335\213\232\033
\214\317\075\243\115\316\313\174\366\273\234\240\372\011\316\043
\142\262\351\015\037\342\162\050\217\237\254\150\040\175\157\073
\250\205\061\011\177\013\307\350\145\351\343\170\016\011\147\060
\213\064\202\373\135\340\314\235\201\155\142\356\010\036\004\054
\116\233\354\376\251\117\137\375\151\170\357\011\037\241\264\277
```

|372|363|357|220|036|114|005|213|036|352|172|221|172|303|327|345
|373|060|274|154|033|020|130|230|367|032|137|320|051|062|003|023
|106|115|141|152|205|114|122|164|057|006|037|173|021|342|204|227
|306|231|363|155|177|327|147|203|176|023|150|330|161|050|132|330
|316|335|350|020|024|232|376|155|043|207|156|216|132|160|074|325
|215|011|000|247|252|274|260|061|067|155|310|204|024|036|133|275
|105|143|040|153|113|164|214|275|333|072|016|301|317|132|026|217
|245|230|362|166|211|262|023|022|073|013|167|167|254|273|345|074
|051|112|222|162|312|141|032|053|136|114|342|203|164|167|372|065
|110|172|205|115|215|232|123|304|337|170|312|227|221|110|053|105
|053|001|367|034|032|242|355|030|272|012|275|203|372|157|274|215
|127|223|073|324|324|246|316|036|361|240|261|316|253|375|053|050
|232|117|033|327|303|162|333|244|304|277|135|114|365|335|173|226
|151|356|150|200|346|347|230|272|066|267|376|156|355|053|275|040
|370|145|031|332|125|011|176|045|334|376|141|142|162|371|176|030
|002|357|143|264|320|373|257|345|073|143|214|147|217|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|120|257|314|007|207|025|107|157|070|305|264|145
|321|336|225|252|351|337|234|314|060|037|006|003|125|035|043|004
|030|060|026|200|024|120|257|314|007|207|025|107|157|070|305|264
|145|321|336|225|252|351|337|234|314|060|106|006|003|125|035|040
|004|077|060|075|060|073|006|011|140|205|164|001|131|001|001|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|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|010|205|246|365|026|014|374|104|032|301|143
|340|371|125|106|010|374|160|034|102|050|226|216|267|305|301|101
|165|116|011|161|171|345|155|226|312|113|245|210|140|320|060|164
|270|312|010|334|264|060|236|100|007|026|153|145|225|167|001|256
|244|267|065|013|201|332|161|025|251|164|027|070|173|130|312|371
|057|373|300|145|166|215|133|001|271|175|336|202|075|144|270|276
|024|164|243|012|124|323|054|225|030|027|065|365|121|153|077|217
|242|226|141|071|170|153|113|345|246|240|370|123|337|121|020|223
|142|347|200|057|342|321|340|274|216|066|106|167|063|354|270|373
|216|232|054|211|115|061|021|017|046|236|004|273|267|004|215|013
|362|271|374|132|235|073|026|267|057|310|230|253|376|212|120|131
|056|243|073|374|051|135|213|301|113|311|342|212|023|035|261|277
|273|102|035|122|335|116|330|024|136|020|306|061|007|357|161|047
|367|033|071|011|334|202|352|213|263|225|206|136|375|365|332|135
|061|246|340|061|266|224|346|104|111|164|305|026|345|367|037|003
|141|050|305|310|313|022|240|102|113|371|153|210|010|215|264|062
|030|363|165|237|304|177|000|117|005|225|234|243|027|002|303|263
|123|233|252|040|071|051|053|146|372|235|257|136|263|222|322|265
|246|341|032|371|055|101|151|201|024|264|264|265|355|211|075|316
|373|251|235|065|102|104|261|034|024|163|201|317|052|001|065|232

```
\061\325\055\217\155\204\337\200\115\127\343\077\305\204\165\332
\211\306\060\273\353\217\313\042\010\240\256\252\361\003\154\072
\113\115\011\245\016\162\306\126\153\041\102\116\043\045\024\150
\256\166\012\174\014\007\160\144\371\232\057\366\005\071\046\306
\014\217\031\177\103\136\156\364\133\025\057\333\141\135\346\147
\057\077\010\224\371\140\264\230\061\332\164\361\204\223\161\115
\137\373\140\130\321\373\304\301\155\211\242\273\040\037\235\161
\221\313\062\233\023\075\076\175\222\122\065\254\222\224\242\323
\030\302\174\307\352\257\166\005\026\335\147\047\302\176\034\007
\042\041\363\100\012\033\064\007\104\023\302\204\152\216\337\031
\132\277\177\353\035\342\032\070\321\134\257\107\222\153\200\265
\060\245\311\215\330\253\061\201\037\337\302\146\067\323\223\251
\205\206\171\145\322
```

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 "SwissSign Platinum CA - G2"

Issuer: CN=SwissSign Platinum CA - G2,O=SwissSign AG,C=CH

Serial Number:4e:b2:00:67:0c:03:5d:4f

Subject: CN=SwissSign Platinum CA - G2,O=SwissSign AG,C=CH

Not Valid Before: Wed Oct 25 08:36:00 2006

Not Valid After : Sat Oct 25 08:36:00 2036

Fingerprint (SHA-256):

```
3B:22:2E:56:67:11:E9:92:30:0D:C0:B1:5A:B9:47:3D:AF:DE:F8:C8:4D:0C:EF:7D:33:17:B4:C1:82:1D:14:36
```

Fingerprint (SHA1): 56:E0:FA:C0:3B:8F:18:23:55:18:E5:D3:11:CA:E8:C2:43:31:AB: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 "SwissSign Platinum CA - G2"
```

```
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
```

```
\126\340\372\300\073\217\030\043\125\030\345\323\021\312\350\302
```

```
\103\061\253\146
```

END

```
CKA_CERT_MD5_HASH MULTILINE_OCTAL
```

```
\311\230\047\167\050\036\075\016\025\074\204\000\270\205\003\346
```

END

```
CKA_ISSUER MULTILINE_OCTAL
```

```
\060\111\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\043\060\041\006\003\125\004\003\023
```

```
\032\123\167\151\163\163\123\151\147\156\040\120\154\141\164\151
```

```
\156\165\155\040\103\101\040\055\040\107\062
```

END

```
CKA_SERIAL_NUMBER MULTILINE_OCTAL
```

```
\002\010\116\262\000\147\014\003\135\117
```

```

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 "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_DISTRUST_AFTER CK_BBOOL CK_FALSE  
CKA_NSS_EMAIL_DISTRUST_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\\07\\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\\07\\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\\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\\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\\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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\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\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\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

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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS EMAIL_DISTRUST_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
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

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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

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\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

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|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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS EMAIL_DISTRUST_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

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# 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
\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

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\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
```

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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_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 "Network Solutions Certificate Authority"
#
# Issuer: CN=Network Solutions Certificate Authority,O=Network Solutions L.L.C.,C=US
# Serial Number:57:cb:33:6f:c2:5c:16:e6:47:16:17:e3:90:31:68:e0
# Subject: CN=Network Solutions Certificate Authority,O=Network Solutions L.L.C.,C=US
# Not Valid Before: Fri Dec 01 00:00:00 2006
# Not Valid After : Mon Dec 31 23:59:59 2029
# Fingerprint (SHA-256):
15:F0:BA:00:A3:AC:7A:F3:AC:88:4C:07:2B:10:11:A0:77:BD:77:C0:97:F4:01:64:B2:F8:59:8A:BD:83:86:0C
# Fingerprint (SHA1): 74:F8:A3:C3:EF:E7:B3:90:06:4B:83:90:3C:21:64:60:20:E5:DF:CE
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 "Network Solutions Certificate Authority"
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
\041\060\037\006\003\125\004\012\023\030\116\145\164\167\157\162
\153\040\123\157\154\165\164\151\157\156\163\040\114\056\114\056
\103\056\061\060\060\056\006\003\125\004\003\023\047\116\145\164
\167\157\162\153\040\123\157\154\165\164\151\157\156\163\040\103
\145\162\164\151\146\151\143\141\164\145\040\101\165\164\150\157
\162\151\164\171
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
\041\060\037\006\003\125\004\012\023\030\116\145\164\167\157\162
\153\040\123\157\154\165\164\151\157\156\163\040\114\056\114\056

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\103\056\061\060\060\056\006\003\125\004\003\023\047\116\145\164
\167\157\162\153\040\123\157\154\165\164\151\157\156\163\040\103
\145\162\164\151\146\151\143\141\164\145\040\101\165\164\150\157
\162\151\164\171
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\127\313\063\157\302\134\026\346\107\026\027\343\220\061
\150\340
END
CKA_VALUE MULTILINE_OCTAL
\060\202\003\346\060\202\002\316\240\003\002\001\002\002\020\127
\313\063\157\302\134\026\346\107\026\027\343\220\061\150\340\060
\015\006\011\052\206\110\206\367\015\001\001\005\005\000\060\142
\061\013\060\011\006\003\125\004\006\023\002\125\123\061\041\060
\037\006\003\125\004\012\023\030\116\145\164\167\157\162\153\040
\123\157\154\165\164\151\157\156\163\040\114\056\114\056\103\056
\061\060\060\056\006\003\125\004\003\023\047\116\145\164\167\157
\162\153\040\123\157\154\165\164\151\157\156\163\040\103\145\162
\164\151\146\151\143\141\164\145\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\132\027\015\062\071\061\062\063\061\062\063\065\071\065
\071\132\060\142\061\013\060\011\006\003\125\004\006\023\002\125
\123\061\041\060\037\006\003\125\004\012\023\030\116\145\164\167
\157\162\153\040\123\157\154\165\164\151\157\156\163\040\114\056
\114\056\103\056\061\060\060\056\006\003\125\004\003\023\047\116
\145\164\167\157\162\153\040\123\157\154\165\164\151\157\156\163
\040\103\145\162\164\151\146\151\143\141\164\145\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\344\274\176\222\060\155\306\330\216
\053\013\274\106\316\340\047\226\336\336\371\372\022\323\074\063
\163\263\004\057\274\161\214\345\237\266\042\140\076\137\135\316
\011\377\202\014\033\232\121\120\032\046\211\335\325\141\135\031
\334\022\017\055\012\242\103\135\027\320\064\222\040\352\163\317
\070\054\006\046\011\172\162\367\372\120\062\370\302\223\323\151
\242\043\316\101\261\314\344\325\037\066\321\212\072\370\214\143
\342\024\131\151\355\015\323\177\153\350\270\003\345\117\152\345
\230\143\151\110\005\276\056\377\063\266\351\227\131\151\370\147
\031\256\223\141\226\104\025\323\162\260\077\274\152\175\354\110
\177\215\303\253\252\161\053\123\151\101\123\064\265\260\271\305
\006\012\304\260\105\365\101\135\156\211\105\173\075\073\046\214
\164\302\345\322\321\175\262\021\324\373\130\062\042\232\200\311
\334\375\014\351\177\136\003\227\316\073\000\024\207\047\160\070
\251\216\156\263\047\166\230\121\340\005\343\041\253\032\325\205
\042\074\051\265\232\026\305\200\250\364\273\153\060\217\057\106
\002\242\261\014\042\340\323\002\003\001\000\001\243\201\227\060
\201\224\060\035\006\003\125\035\016\004\026\004\024\041\060\311
\373\000\327\116\230\332\207\252\052\320\247\056\261\100\061\247

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\114\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\122\006\003\125\035\037\004\113\060\111\060\107\240
\105\240\103\206\101\150\164\164\160\072\057\057\143\162\154\056
\156\145\164\163\157\154\163\163\154\056\143\157\155\057\116\145
\164\167\157\162\153\123\157\154\165\164\151\157\156\163\103\145
\162\164\151\146\151\143\141\164\145\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\273\256\113\347\267\127
\353\177\252\055\267\163\107\205\152\301\344\245\035\344\347\074
\351\364\131\145\167\265\172\133\132\215\045\066\340\172\227\056
\070\300\127\140\203\230\006\203\237\271\166\172\156\120\340\272
\210\054\374\105\314\030\260\231\225\121\016\354\035\270\210\377
\207\120\034\202\302\343\340\062\200\277\240\013\107\310\303\061
\357\231\147\062\200\117\027\041\171\014\151\134\336\136\064\256
\002\265\046\352\120\337\177\030\145\054\311\362\143\341\251\007
\376\174\161\037\153\063\044\152\036\005\367\005\150\300\152\022
\313\056\136\141\313\256\050\323\176\302\264\146\221\046\137\074
\056\044\137\313\130\017\353\050\354\257\021\226\363\334\173\157
\300\247\210\362\123\167\263\140\136\256\256\050\332\065\054\157
\064\105\323\046\341\336\354\133\117\047\153\026\174\275\104\004
\030\202\263\211\171\027\020\161\075\172\242\026\116\365\001\315
\244\154\145\150\241\111\166\134\103\311\330\274\066\147\154\245
\224\265\324\314\271\275\152\065\126\041\336\330\303\353\373\313
\244\140\114\260\125\240\240\173\127\262
```

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 "Network Solutions Certificate Authority"
# Issuer: CN=Network Solutions Certificate Authority,O=Network Solutions L.L.C.,C=US
# Serial Number:57:cb:33:6f:c2:5c:16:e6:47:16:17:e3:90:31:68:e0
# Subject: CN=Network Solutions Certificate Authority,O=Network Solutions L.L.C.,C=US
# Not Valid Before: Fri Dec 01 00:00:00 2006
# Not Valid After : Mon Dec 31 23:59:59 2029
# Fingerprint (SHA-256):
15:F0:BA:00:A3:AC:7A:F3:AC:88:4C:07:2B:10:11:A0:77:BD:77:C0:97:F4:01:64:B2:F8:59:8A:BD:83:86:0C
# Fingerprint (SHA1): 74:F8:A3:C3:EF:E7:B3:90:06:4B:83:90:3C:21:64:60:20:E5:DF:CE
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 "Network Solutions Certificate Authority"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\164\370\243\303\357\347\263\220\006\113\203\220\074\041\144\140
\040\345\337\316
END
```

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CKA_CERT_MD5_HASH MULTILINE_OCTAL
\323\363\246\026\300\372\153\035\131\261\055\226\115\016\021\056
END
CKA_ISSUER MULTILINE_OCTAL
\060\142\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\041\060\037\006\003\125\004\012\023\030\116\145\164\167\157\162
\153\040\123\157\154\165\164\151\157\156\163\040\114\056\114\056
\103\056\061\060\060\056\006\003\125\004\003\023\047\116\145\164
\167\157\162\153\040\123\157\154\165\164\151\157\156\163\040\103
\145\162\164\151\146\151\143\141\164\145\040\101\165\164\150\157
\162\151\164\171
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\127\313\063\157\302\134\026\346\107\026\027\343\220\061
\150\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 "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\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

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\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
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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE

CKA_NSS EMAIL_DISTRUST_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

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\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\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

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\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\066\060\063\064\064\132\027\015\063\067
\061\062\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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

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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\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

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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE  
CKA_NSS_EMAIL_DISTRUST_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

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\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
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\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

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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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\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\\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
\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS EMAIL_DISTRUST_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\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
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\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
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\215\132\341\125\303\120\206\271\051\046\302\343\331\240\361\151
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\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
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\236\177\166\224\302\246\154\267\101\360\325\310\006\070\346\324
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\236\165\164\266\330\002\136\072\220\172\300\102\066\162\354\152
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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRUST_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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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
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\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\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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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:04:00:00:00:00:01:21:58:53:08: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\027\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\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
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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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

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\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

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\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

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CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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

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# 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
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\162\145\163\163\051\061\022\060\020\006\003\125\004\005\023\011
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\004\012\023\022\101\103\040\103\141\155\145\162\146\151\162\155
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\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

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|360|321|054|271|205|365|330|243|261|310|245|041|345|034|023|227  
|356|016|275|337|051|251|357|064|123|133|323|344|152|023|204|006  
|266|062|002|304|122|256|042|322|334|262|041|102|032|332|100|360  
|051|311|354|012|014|134|342|320|272|314|110|323|067|012|314|022  
|012|212|171|260|075|003|177|151|113|364|064|040|175|263|064|352  
|216|113|144|365|076|375|263|043|147|025|015|004|270|360|055|301  
|011|121|074|262|154|025|360|245|043|327|203|164|344|345|056|311  
|376|230|047|102|306|253|306|236|260|320|133|070|245|233|120|336  
|176|030|230|265|105|073|366|171|264|350|367|032|173|006|203|373  
|320|213|332|273|307|275|030|253|010|157|074|200|153|100|077|031  
|031|272|145|212|346|276|325|134|323|066|327|357|100|122|044|140  
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|167|110|320
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END

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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 "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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|376|232|316|074

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CKA_CERT_MD5_HASH MULTILINE_OCTAL

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END

CKA_ISSUER MULTILINE_OCTAL

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|061|103|060|101|006|003|125|004|007|023|072|115|141|144|162|151

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\070
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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 "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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|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\070\060\202\002\042\060\015\006\011\052\206\110
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|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
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|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
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|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
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|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
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|060|201|254|061|013|060|011|006|003|125|004|006|023|002|105|125
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|144|040|050|163|145|145|040|143|165|162|162|145|156|164|040|141
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|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

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\272\105\340\011\336\312\104\017\302\027\016\167\221\105\172\063
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\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
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\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
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\231\362\173\161\076\074\361\230\247\305\030\022\077\346\273\050
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\223\256\231\240\357\045\152\163\230\211\133\072\056\023\210\036
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\323\330\060\317\023\015\117\025\311\204\274\247\110\055\370\060
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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRUST_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\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\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

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\040\055\040\107\062\060\036\027\015\060\071\060\071\060\061\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
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\202\023\344\266\077\251\003\203\372\242\276\212\025\152\177\336
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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 "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

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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

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\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

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|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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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\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

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\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\060\060\060\060\060\060\060
\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

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|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_DISTRUST_AFTER CK_BBOOL CK_FALSE  
CKA_NSS_EMAIL_DISTRUST_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):
```

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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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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

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|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_DISTRUST_AFTER CK_BBOOL CK_FALSE  
CKA_NSS EMAIL_DISTRUST_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\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  
|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_DISTRUST_AFTER CK_BBOOL CK_FALSE  
CKA_NSS_EMAIL_DISTRUST_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
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
\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\05\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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE

```

CKA_NSS_EMAIL_DISTRUST_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
\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

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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\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

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CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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

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# 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

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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRUST_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

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\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
\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: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
\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\377
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_NOT_TRUSTED
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_NOT_TRUSTED
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_NOT_TRUSTED
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "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_CERTIFICATE
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_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\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_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\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_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

```
\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS EMAIL_DISTRUST_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 "EC-ACC"
#
# Issuer: CN=EC-ACC,OU=Jerarquia Entitats de Certificacio Catalanes,OU=Vegeu https://www.catcert.net/verarrel
(c)03,OU=Serveis Publics de Certificacio,O=Agencia Catalana de Certificacio (NIF Q-0801176-I),C=ES
# Serial Number:ee:2b:3d:eb:d4:21:de:14:a8:62:ac:04:f3:dd:c4:01
# Subject: CN=EC-ACC,OU=Jerarquia Entitats de Certificacio Catalanes,OU=Vegeu
https://www.catcert.net/verarrel (c)03,OU=Serveis Publics de Certificacio,O=Agencia Catalana de Certificacio (NIF
Q-0801176-I),C=ES
# Not Valid Before: Tue Jan 07 23:00:00 2003
# Not Valid After : Tue Jan 07 22:59:59 2031
# Fingerprint (SHA-256):
88:49:7F:01:60:2F:31:54:24:6A:E2:8C:4D:5A:EF:10:F1:D8:7E:BB:76:62:6F:4A:E0:B7:F9:5B:A7:96:87:99
# Fingerprint (SHA1): 28:90:3A:63:5B:52:80:FA:E6:77:4C:0B:6D:A7:D6:BA:A6:4A:F2: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 "EC-ACC"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA SUBJECT MULTILINE_OCTAL
\060\201\363\061\013\060\011\006\003\125\004\006\023\002\105\123
\061\073\060\071\006\003\125\004\012\023\062\101\147\145\156\143
\151\141\040\103\141\164\141\154\141\156\141\040\144\145\040\103
\145\162\164\151\146\151\143\141\143\151\157\040\050\116\111\106
\040\121\055\060\070\060\061\061\067\066\055\111\051\061\050\060
\046\006\003\125\004\013\023\037\123\145\162\166\145\151\163\040
\120\165\142\154\151\143\163\040\144\145\040\103\145\162\164\151
\146\151\143\141\143\151\157\061\065\060\063\006\003\125\004\013
\023\054\126\145\147\145\165\040\150\164\164\160\163\072\057\057
\167\167\167\056\143\141\164\143\145\162\164\056\156\145\164\057
\166\145\162\141\162\162\145\154\040\050\143\051\060\063\061\065
\060\063\006\003\125\004\013\023\054\112\145\162\141\162\161\165
\151\141\040\105\156\164\151\164\141\164\163\040\144\145\040\103
\145\162\164\151\146\151\143\141\143\151\157\040\103\141\164\141
\154\141\156\145\163\061\017\060\015\006\003\125\004\003\023\006
\105\103\055\101\103\103
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL

```

\060\201\363\061\013\060\011\006\003\125\004\006\023\002\105\123
\061\073\060\071\006\003\125\004\012\023\062\101\147\145\156\143
\151\141\040\103\141\164\141\154\141\156\141\040\144\145\040\103
\145\162\164\151\146\151\143\141\143\151\157\040\050\116\111\106
\040\121\055\060\070\060\061\061\067\066\055\111\051\061\050\060
\046\006\003\125\004\013\023\037\123\145\162\166\145\151\163\040
\120\165\142\154\151\143\163\040\144\145\040\103\145\162\164\151
\146\151\143\141\143\151\157\061\065\060\063\006\003\125\004\013
\023\054\126\145\147\145\165\040\150\164\164\160\163\072\057\057
\167\167\167\056\143\141\164\143\145\162\164\056\156\145\164\057
\166\145\162\141\162\162\145\154\040\050\143\051\060\063\061\065
\060\063\006\003\125\004\013\023\054\112\145\162\141\162\161\165
\151\141\040\105\156\164\151\164\141\164\163\040\144\145\040\103
\145\162\164\151\146\151\143\141\143\151\157\040\103\141\164\141
\154\141\156\145\163\061\017\060\015\006\003\125\004\003\023\006
\105\103\055\101\103\103

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\002\020\356\053\075\353\324\041\336\024\250\142\254\004\363\335
\304\001

END

CKA_VALUE MULTILINE_OCTAL

\060\202\005\126\060\202\004\076\240\003\002\001\002\002\020\356
\053\075\353\324\041\336\024\250\142\254\004\363\335\304\001\060
\015\006\011\052\206\110\206\367\015\001\001\005\005\000\060\201
\363\061\013\060\011\006\003\125\004\006\023\002\105\123\061\073
\060\071\006\003\125\004\012\023\062\101\147\145\156\143\151\141
\040\103\141\164\141\154\141\156\141\040\144\145\040\103\145\162
\164\151\146\151\143\141\143\151\157\040\050\116\111\106\040\121
\055\060\070\060\061\067\066\055\111\051\061\050\060\046\006
\003\125\004\013\023\037\123\145\162\166\145\151\163\040\120\165
\142\154\151\143\163\040\144\145\040\103\145\162\164\151\146\151
\143\141\143\151\157\061\065\060\063\006\003\125\004\013\023\054
\126\145\147\145\165\040\150\164\164\160\163\072\057\057\167\167
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\234\235\245\140\225\072\122\177\365\321\253\010\156\363\356\133
\371\210\075\176\270\157\156\003\344\102
END
CKA_NSS MOZILLA CA_POLICY CK_BBOOL CK_TRUE
# For Server Distrust After: Sat Dec 28 00:00:00 2019
CKA_NSS_SERVER_DISTRUST_AFTER MULTILINE_OCTAL
\061\071\061\062\062\070\060\060\060\060\060\060\132
END
# 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\060\132
END

# Trust for "EC-ACC"
# Issuer: CN=EC-ACC,OU=Jerarquia Entitats de Certificacio Catalanes,OU=Vegeu https://www.catcert.net/verarrel
(c)03,OU=Serveis Publics de Certificacio,O=Agencia Catalana de Certificacio (NIF Q-0801176-I),C=ES
# Serial Number:ee:2b:3d:eb:d4:21:de:14:a8:62:ac:04:f3:dd:c4:01
# Subject: CN=EC-ACC,OU=Jerarquia Entitats de Certificacio Catalanes,OU=Vegeu
https://www.catcert.net/verarrel (c)03,OU=Serveis Publics de Certificacio,O=Agencia Catalana de Certificacio (NIF
Q-0801176-I),C=ES
# Not Valid Before: Tue Jan 07 23:00:00 2003
# Not Valid After : Tue Jan 07 22:59:59 2031
# Fingerprint (SHA-256):
88:49:7F:01:60:2F:31:54:24:6A:E2:8C:4D:5A:EF:10:F1:D8:7E:BB:76:62:6F:4A:E0:B7:F9:5B:A7:96:87:99
# Fingerprint (SHA1): 28:90:3A:63:5B:52:80:FA:E6:77:4C:0B:6D:A7:D6:BA:A6:4A:F2: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 "EC-ACC"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\050\220\072\143\133\122\200\372\346\167\114\013\155\247\326\272
\246\112\362\350
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\353\365\235\051\015\141\371\102\037\174\302\272\155\343\025\011
END
CKA_ISSUER MULTILINE_OCTAL

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\060\201\363\061\013\060\011\006\003\125\004\006\023\002\105\123
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\151\141\040\103\141\164\141\154\141\156\141\040\144\145\040\103
\145\162\164\151\146\151\143\141\143\151\157\040\050\116\111\106
\040\121\055\060\070\060\061\061\067\066\055\111\051\061\050\060
\046\006\003\125\004\013\023\037\123\145\162\166\145\151\163\040
\120\165\142\154\151\143\163\040\144\145\040\103\145\162\164\151
\146\151\143\141\143\151\157\061\065\060\063\006\003\125\004\013
\023\054\126\145\147\145\165\040\150\164\164\160\163\072\057\057
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\166\145\162\141\162\162\145\154\040\050\143\051\060\063\061\065
\060\063\006\003\125\004\013\023\054\112\145\162\141\162\161\165
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END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
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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 "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
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\060\071\066\067\061\047\060\045\006\003\125\004\003\014\036\101
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\141\164\151\157\156\040\122\157\157\164\040\103\101
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
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\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
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END
CKA_VALUE MULTILINE_OCTAL
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\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
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\040\103\101\060\036\027\015\061\061\060\071\062\061\061\062
\062\060\062\132\027\015\063\060\060\071\062\061\061\062\062
\060\062\132\060\153\061\013\060\011\006\003\125\004\006\023\002
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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 "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

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\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
\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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=Buy pass Class 2 Root CA,O=Buy pass 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

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```
|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
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\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

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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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

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# 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

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\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\063\063\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

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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS EMAIL_DISTRUST_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

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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

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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS EMAIL_DISTRUST_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
\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\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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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\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
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\313\045\376\206\116\044\056\126\014\170\115\236\001\022\246\053
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\100\156\225\255\377\306\224\255\156\227\204\216\175\157\236\212
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\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
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\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
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\256\245\102\127\174\066\021\214\173\136\304\003\235\214\171\235
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\255\316\116\126\244\056\156\102\355\060\015\006\011\052\206\110
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\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
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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRUST_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

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```
# 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\060\102\061\022\060\020
\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
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\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
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\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
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\172\141\143\143\166\061\056\143\162\164\060\037\006\010\053\006
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\126\352\201\345\066\314\214\036\077\275\060\017\006\003\125\035
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\317\015\204\344\027\267\242\174\245\336\125\045\006\356\314\300
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|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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS EMAIL_DISTRUST_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
\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

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\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\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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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

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\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

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\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
\070\061\062\060\060\065\060\132\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\164\040\103\101\040\166
\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\302\276\353\047\360\041\243\363\151\046\125\176\235\305
\125\026\221\134\375\357\041\277\123\200\172\055\322\221\214\143
\061\360\354\044\360\303\245\322\162\174\020\155\364\067\267\345
\346\174\171\352\214\265\202\213\256\110\266\254\000\334\145\165
\354\052\115\137\301\207\365\040\145\053\201\250\107\076\211\043
\225\060\026\220\177\350\127\007\110\347\031\256\277\105\147\261
\067\033\006\052\376\336\371\254\175\203\373\136\272\344\217\227
\147\276\113\216\215\144\007\127\070\125\151\064\066\075\023\110
\357\117\342\323\146\036\244\317\032\267\136\066\063\324\264\006
\275\030\001\375\167\204\120\000\105\365\214\135\350\043\274\176
\376\065\341\355\120\173\251\060\215\031\323\011\216\150\147\135
\277\074\227\030\123\273\051\142\305\312\136\162\301\307\226\324
\333\055\240\264\037\151\003\354\352\342\120\361\014\074\360\254
\363\123\055\360\034\365\355\154\071\071\163\200\026\310\122\260
\043\315\340\076\334\335\074\107\240\273\065\212\342\230\150\213
\276\345\277\162\356\322\372\245\355\022\355\374\230\030\251\046
\166\334\050\113\020\040\034\323\177\026\167\055\355\157\200\367
\111\273\123\005\273\135\150\307\324\310\165\026\077\211\132\213
\367\027\107\324\114\361\322\211\171\076\115\075\230\250\141\336
\072\036\322\370\136\003\340\301\311\034\214\323\215\115\323\225
\066\263\067\137\143\143\233\063\024\360\055\046\153\123\174\211
\214\062\302\156\354\075\041\000\071\311\241\150\342\120\203\056
\260\072\053\363\066\240\254\057\344\157\141\302\121\011\071\076
\213\123\271\273\147\332\334\123\271\166\131\066\235\103\345\040
\340\075\062\140\205\042\121\267\307\063\273\335\025\057\244\170

\246\007\173\201\106\066\004\206\335\171\065\307\225\054\073\260
\243\027\065\345\163\037\264\134\131\357\332\352\020\145\173\172
\320\177\237\263\264\052\067\073\160\213\233\133\271\053\267\354
\262\121\022\227\123\051\132\324\360\022\020\334\117\002\273\022
\222\057\142\324\077\151\103\174\015\326\374\130\165\001\210\235
\130\026\113\336\272\220\377\107\001\211\006\152\366\137\262\220
\152\263\002\246\002\210\277\263\107\176\052\331\325\372\150\170
\065\115\002\003\001\000\001\243\077\060\075\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\360\217\131\070\000\263\365\217\232\226\014\325
\353\372\173\252\027\350\023\022\060\015\006\011\052\206\110\206
\367\015\001\001\005\005\000\003\202\002\001\000\276\344\134\142
\116\044\364\014\010\377\360\323\014\150\344\223\111\042\077\104
\047\157\273\155\336\203\146\316\250\314\015\374\365\232\006\345
\167\024\221\353\235\101\173\231\052\204\345\377\374\041\301\135
\360\344\037\127\267\165\251\241\137\002\046\377\327\307\367\116
\336\117\370\367\034\106\300\172\117\100\054\042\065\360\031\261
\320\153\147\054\260\250\340\300\100\067\065\366\204\134\134\343
\257\102\170\376\247\311\015\120\352\015\204\166\366\121\357\203
\123\306\172\377\016\126\111\056\217\172\326\014\346\047\124\343
\115\012\140\162\142\315\221\007\326\245\277\310\231\153\355\304
\031\346\253\114\021\070\305\157\061\342\156\111\310\077\166\200
\046\003\046\051\340\066\366\366\040\123\343\027\160\064\027\235
\143\150\036\153\354\303\115\206\270\023\060\057\135\106\015\107
\103\325\033\252\131\016\271\134\215\006\110\255\164\207\137\307
\374\061\124\101\023\342\307\041\016\236\340\036\015\341\300\173
\103\205\220\305\212\130\306\145\012\170\127\362\306\043\017\001
\331\040\113\336\017\373\222\205\165\052\134\163\215\155\173\045
\221\312\356\105\256\006\113\000\314\323\261\131\120\332\072\210
\073\051\103\106\136\227\053\124\316\123\157\215\112\347\226\372
\277\161\016\102\213\174\375\050\240\320\110\312\332\304\201\114
\273\242\163\223\046\310\353\014\326\046\210\266\300\044\317\273
\275\133\353\165\175\351\010\216\206\063\054\171\167\011\151\245
\211\374\263\160\220\207\166\217\323\042\273\102\316\275\163\013
\040\046\052\320\233\075\160\036\044\154\315\207\166\251\027\226
\267\317\015\222\373\216\030\251\230\111\321\236\376\140\104\162
\041\271\031\355\302\365\061\361\071\110\210\220\044\165\124\026
\255\316\364\370\151\024\144\071\373\243\270\272\160\100\307\047
\034\277\304\126\123\372\143\145\320\363\034\016\026\365\153\206
\130\115\030\324\344\015\216\245\235\133\221\334\166\044\120\077
\306\052\373\331\267\234\265\326\346\320\331\350\031\213\025\161
\110\255\267\352\330\131\210\324\220\277\026\263\331\351\254\131
\141\124\310\034\272\312\301\312\341\271\040\114\217\072\223\211
\245\240\314\277\323\366\165\244\165\226\155\126

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 "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
\103\023\273\226\361\325\206\233\301\116\152\222\366\317\366\064
\151\207\202\067
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\067\101\111\033\030\126\232\046\365\255\302\146\373\100\245\114
END
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_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 "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
\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_ID UTF8 "0"
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_VALUE MULTILINE_OCTAL
\060\202\006\113\060\202\004\063\240\003\002\001\002\002\010\152
\150\076\234\121\233\313\123\060\015\006\011\052\206\110\206\367
\015\001\001\013\005\000\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\060\036\027\015\061
\063\060\063\060\065\061\062\060\071\064\070\132\027\015\062\063
\060\063\060\063\061\062\060\071\064\070\132\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
\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\342\365\077\223\005\121\036\205\142\124\136\172\013\365\030
\007\203\256\176\257\174\367\324\212\153\245\143\103\071\271\113
\367\303\306\144\211\075\224\056\124\200\122\071\071\007\113\113
\335\205\007\166\207\314\277\057\225\114\314\175\247\075\274\107
\017\230\160\370\214\205\036\164\216\222\155\033\100\321\231\015
\273\165\156\310\251\153\232\300\204\061\257\312\103\313\353\053
\064\350\217\227\153\001\233\325\016\112\010\252\133\222\164\205
\103\323\200\256\241\210\133\256\263\352\136\313\026\232\167\104
\310\241\366\124\150\316\336\217\227\053\272\133\100\002\014\144
\027\300\265\223\315\341\361\023\146\316\014\171\357\321\221\050
\253\137\240\022\122\060\163\031\216\217\341\214\007\242\303\273
\112\360\352\037\025\250\356\045\314\244\106\370\033\042\357\263
\016\103\272\054\044\270\305\054\134\324\034\370\135\144\275\303
\223\136\050\247\077\047\361\216\036\323\052\120\005\243\125\331
\313\347\071\123\300\230\236\214\124\142\213\046\260\367\175\215
\174\344\306\236\146\102\125\202\107\347\262\130\215\146\367\007
\174\056\066\346\120\034\077\333\103\044\305\277\206\107\171\263
\171\034\367\132\364\023\354\154\370\077\342\131\037\225\356\102
\076\271\255\250\062\205\111\227\106\376\113\061\217\132\313\255
\164\107\037\351\221\267\337\050\004\042\240\324\017\135\342\171
\117\352\154\205\206\275\250\246\316\344\372\303\341\263\256\336
\074\121\356\313\023\174\001\177\204\016\135\121\224\236\023\014
\266\056\245\114\371\071\160\066\157\226\312\056\014\104\125\305
\312\372\135\002\243\337\326\144\214\132\263\001\012\251\265\012
\107\027\377\357\221\100\052\216\241\106\072\061\230\345\021\374

|314|273|111|126|212|374|271|320|141|232|157|145|154|346|303|313
|076|165|111|376|217|247|342|211|305|147|327|235|106|023|116|061
|166|073|044|263|236|021|145|206|253|177|357|035|324|370|274|347
|254|132|134|267|132|107|134|125|316|125|264|042|161|133|133|013
|360|317|334|240|141|144|352|251|327|150|012|143|247|340|015|077
|240|257|323|252|322|176|357|121|240|346|121|053|125|222|025|027
|123|313|267|146|016|146|114|370|371|165|114|220|347|022|160|307
|105|002|003|001|000|001|243|143|060|141|060|035|006|003|125|035
|016|004|026|004|024|056|343|333|262|111|320|234|124|171|134|372
|047|052|376|314|116|322|350|116|124|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|056|343|333|262|111|320|234|124|171
|134|372|047|052|376|314|116|322|350|116|124|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|005
|067|072|364|115|267|105|342|105|165|044|217|266|167|122|350|034
|330|020|223|145|363|362|131|006|244|076|036|051|354|135|321|320
|253|174|340|012|220|110|170|355|116|230|003|231|376|050|140|221
|035|060|035|270|143|174|250|346|065|265|372|323|141|166|346|326
|007|113|312|151|232|262|204|172|167|223|105|027|025|237|044|320
|230|023|022|377|273|240|056|375|116|114|207|370|316|134|252|230
|033|005|340|000|106|112|202|200|245|063|213|050|334|355|070|323
|337|345|076|351|376|373|131|335|141|204|117|322|124|226|023|141
|023|076|217|200|151|276|223|107|265|065|103|322|132|273|075|134
|357|263|102|107|315|073|125|023|006|260|011|333|375|143|366|072
|210|012|231|157|176|341|316|033|123|152|104|146|043|121|010|173
|274|133|122|242|375|006|067|070|100|141|217|112|226|270|220|067
|370|146|307|170|220|000|025|056|213|255|121|065|123|007|250|153
|150|256|371|116|074|007|046|315|010|005|160|314|071|077|166|275
|245|323|147|046|001|206|246|123|322|140|073|174|103|177|125|212
|274|225|032|301|050|071|114|037|103|322|221|364|162|131|212|271
|126|374|077|264|235|332|160|234|166|132|214|103|120|356|216|060
|162|115|337|377|111|367|306|251|147|331|155|254|002|021|342|072
|026|045|247|130|010|313|157|123|101|234|110|070|107|150|063|321
|327|307|217|324|164|041|324|303|005|220|172|377|316|226|210|261
|025|051|135|043|253|320|140|241|022|117|336|364|027|315|062|345
|311|277|310|103|255|375|056|216|361|257|342|364|230|372|022|037
|040|330|300|247|014|205|305|220|364|073|055|226|046|261|054|276
|114|253|353|261|322|212|311|333|170|023|017|036|011|235|155|217
|000|237|002|332|301|372|037|172|172|011|304|112|346|210|052|227
|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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS EMAIL_DISTRUST_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

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\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\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

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\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

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\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

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\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\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
\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

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|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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS EMAIL_DISTRUST_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\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"
#

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# 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\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

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\101\040\061\040\107\063\060\202\002\042\060\015\006\011\052\206
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\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

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\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

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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 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
```

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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

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\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\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

```

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# 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\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\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\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

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\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
\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_DISTRUST_AFTER CK_BBOOL CK_FALSE  
CKA_NSS EMAIL_DISTRUST_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\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\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

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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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\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\\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\\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\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_DISTRUST_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

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\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\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

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|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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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\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

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|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|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_DISTRUST_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRUST_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
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\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

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\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
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\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\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
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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRUST_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

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# 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

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\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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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

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# 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

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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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE  
CKA_NSS EMAIL_DISTRUST_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|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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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 "Staat der Nederlanden EV Root CA"
#
# Issuer: CN=Staat der Nederlanden EV Root CA,O=Staat der Nederlanden,C=NL
# Serial Number: 10000013 (0x98968d)
# Subject: CN=Staat der Nederlanden EV Root CA,O=Staat der Nederlanden,C=NL
# Not Valid Before: Wed Dec 08 11:19:29 2010
# Not Valid After : Thu Dec 08 11:10:28 2022
# Fingerprint (SHA-256):
4D:24:91:41:4C:FE:95:67:46:EC:4C:EF:A6:CF:6F:72:E2:8A:13:29:43:2F:9D:8A:90:7A:C4:CB:5D:AD:C1:5A
# Fingerprint (SHA1): 76:E2:7E:C1:4F:DB:82:C1:C0:A6:75:B5:05:BE:3D:29:B4:ED:DB: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 "Staat der Nederlanden EV Root CA"
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\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
|051\060\047\006\003\125\004\003\014\040\123\164\141\141\164\040
|144\145\162\040\116\145\144\145\162\154\141\156\144\145\156\040
|105\126\040\122\157\157\164\040\103\101
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
|060\130\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
|051\060\047\006\003\125\004\003\014\040\123\164\141\141\164\040
|144\145\162\040\116\145\144\145\162\154\141\156\144\145\156\040
|105\126\040\122\157\157\164\040\103\101
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
|002\004\000\230\226\215
END
CKA_VALUE MULTILINE_OCTAL
|060\202\005\160\060\202\003\130\240\003\002\001\002\002\004\000
|230\226\215\060\015\006\011\052\206\110\206\367\015\001\001\013
|005\000\060\130\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\051\060\047\006\003\125\004\003\014\040\123\164\141\141
|164\040\144\145\162\040\116\145\144\145\162\154\141\156\144\145
|156\040\105\126\040\122\157\157\164\040\103\101\060\036\027\015
|061\060\061\062\060\070\061\061\061\071\062\071\132\027\015\062
|062\061\062\060\070\061\061\061\060\062\070\132\060\130\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\051\060\047\006
|003\125\004\003\014\040\123\164\141\141\164\040\144\145\162\040
|116\145\144\145\162\154\141\156\144\145\156\040\105\126\040\122
|157\157\164\040\103\101\060\202\002\042\060\015\006\011\052\206
|110\206\367\015\001\001\005\000\003\202\002\017\000\060\202
|002\012\002\202\002\001\000\343\307\176\211\371\044\113\072\322
|063\203\065\054\151\354\334\011\244\343\121\250\045\053\171\270
|010\075\340\221\272\204\205\306\205\244\312\346\311\056\123\244
|311\044\036\375\125\146\161\135\054\305\140\150\004\267\331\302
|122\046\070\210\244\326\073\100\246\302\315\077\315\230\223\263
|124\024\130\226\125\325\120\376\206\255\244\143\177\134\207\366
|216\346\047\222\147\027\222\002\003\054\334\326\146\164\355\335
|147\377\301\141\215\143\117\017\233\155\027\060\046\357\253\322

\037\020\240\371\305\177\026\151\201\003\107\355\036\150\215\162
\241\115\262\046\306\272\154\137\155\326\257\321\261\023\216\251
\255\363\136\151\165\046\030\076\101\053\041\177\356\213\135\007
\006\235\103\304\051\012\053\374\052\076\206\313\074\203\072\371
\311\015\332\305\231\342\274\170\101\063\166\341\277\057\135\345
\244\230\120\014\025\335\340\372\234\177\070\150\320\262\246\172
\247\321\061\275\176\212\130\047\103\263\272\063\221\323\247\230
\025\134\232\346\323\017\165\331\374\101\230\227\076\252\045\333
\217\222\056\260\173\014\137\361\143\251\067\371\233\165\151\114
\050\046\045\332\325\362\022\160\105\125\343\337\163\136\067\365
\041\154\220\216\065\132\311\323\043\353\323\300\276\170\254\102
\050\130\146\245\106\155\160\002\327\020\371\113\124\374\135\206
\112\207\317\177\312\105\254\021\132\265\040\121\215\057\210\107
\227\071\300\317\272\300\102\001\100\231\110\041\013\153\247\322
\375\226\325\321\276\106\235\111\340\013\246\240\042\116\070\320
\301\074\060\274\160\217\054\165\314\320\305\214\121\073\075\224
\010\144\046\141\175\271\303\145\217\024\234\041\320\252\375\027
\162\003\217\275\233\214\346\136\123\236\271\235\357\202\273\341
\274\342\162\101\133\041\224\323\105\067\224\321\337\011\071\135
\347\043\252\232\035\312\155\250\012\206\205\212\202\276\102\007
\326\362\070\202\163\332\207\133\345\074\323\236\076\247\073\236
\364\003\263\371\361\175\023\164\002\377\273\241\345\372\000\171
\034\246\146\101\210\134\140\127\246\056\011\304\272\375\232\317
\247\037\100\303\273\314\132\012\125\113\073\070\166\121\270\143
\213\204\224\026\346\126\363\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\376\253\000\220
\230\236\044\374\251\314\032\212\373\047\270\277\060\156\250\073
\060\015\006\011\052\206\110\206\367\015\001\001\013\005\000\003
\202\002\001\000\317\167\054\156\126\276\116\263\266\204\000\224
\253\107\311\015\322\166\307\206\237\035\007\323\266\264\273\010
\170\257\151\322\013\111\336\063\305\254\255\302\210\002\175\006
\267\065\002\301\140\311\277\304\350\224\336\324\323\251\023\045
\132\376\156\242\256\175\005\334\175\363\154\360\176\246\215\356
\331\327\316\130\027\350\251\051\256\163\110\207\347\233\312\156
\051\241\144\137\031\023\367\256\006\020\377\121\306\233\115\125
\045\117\223\231\020\001\123\165\361\023\316\307\246\101\101\322
\277\210\245\177\105\374\254\270\245\265\063\014\202\304\373\007
\366\152\345\045\204\137\006\312\301\206\071\021\333\130\315\167
\073\054\302\114\017\136\232\343\360\253\076\141\033\120\044\302
\300\364\361\031\360\021\051\266\245\030\002\233\327\143\114\160
\214\107\243\003\103\134\271\135\106\240\015\157\377\131\216\276
\335\237\162\303\133\053\337\214\133\316\345\014\106\154\222\262
\012\243\114\124\102\030\025\022\030\275\332\374\272\164\156\377
\301\266\240\144\330\251\137\125\256\237\134\152\166\226\330\163
\147\207\373\115\177\134\356\151\312\163\020\373\212\251\375\236
\275\066\070\111\111\207\364\016\024\360\351\207\270\077\247\117

```
\172\132\216\171\324\223\344\273\150\122\204\254\154\351\363\230
\160\125\162\062\371\064\253\053\111\265\315\040\142\344\072\172
\147\143\253\226\334\155\256\227\354\374\237\166\126\210\056\146
\317\133\266\311\244\260\327\005\272\341\047\057\223\273\046\052
\242\223\260\033\363\216\276\035\100\243\271\066\217\076\202\032
\032\136\210\352\120\370\131\342\203\106\051\013\343\104\134\341
\225\266\151\220\232\024\157\227\256\201\317\150\357\231\232\276
\265\347\341\177\370\372\023\107\026\114\314\155\010\100\347\213
\170\157\120\202\104\120\077\146\006\212\253\103\204\126\112\017
\040\055\206\016\365\322\333\322\172\212\113\315\245\350\116\361
\136\046\045\001\131\043\240\176\322\366\176\041\127\327\047\274
\025\127\114\244\106\301\340\203\036\014\114\115\037\117\006\031
\342\371\250\364\072\202\241\262\171\103\171\326\255\157\172\047
\220\003\244\352\044\207\077\331\275\331\351\362\137\120\111\034
\356\354\327\056
```

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 "Staat der Nederlanden EV Root CA"

Issuer: CN=Staat der Nederlanden EV Root CA,O=Staat der Nederlanden,C=NL

Serial Number: 10000013 (0x98968d)

Subject: CN=Staat der Nederlanden EV Root CA,O=Staat der Nederlanden,C=NL

Not Valid Before: Wed Dec 08 11:19:29 2010

Not Valid After : Thu Dec 08 11:10:28 2022

Fingerprint (SHA-256):

4D:24:91:41:4C:FE:95:67:46:EC:4C:EF:A6:CF:6F:72:E2:8A:13:29:43:2F:9D:8A:90:7A:C4:CB:5D:AD:C1:5A

Fingerprint (SHA1): 76:E2:7E:C1:4F:DB:82:C1:C0:A6:75:B5:05:BE:3D:29:B4:ED:DB: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 "Staat der Nederlanden EV Root CA"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

\166\342\176\301\117\333\202\301\300\246\165\265\005\276\075\051

\264\355\333\273

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

\374\006\257\173\350\032\361\232\264\350\322\160\037\300\365\272

END

CKA_ISSUER MULTILINE_OCTAL

\060\130\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

\051\060\047\006\003\125\004\003\014\040\123\164\141\141\164\040

\144\145\162\040\116\145\144\145\162\154\141\156\144\145\156\040

\105\126\040\122\157\157\164\040\103\101

```

END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\004\000\230\226\215
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 "IdenTrust Commercial Root CA 1"
#
# Issuer: CN=IdenTrust Commercial Root CA 1,O=IdenTrust,C=US
# Serial Number:0a:01:42:80:00:01:45:23: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\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  
|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_DISTRUST_AFTER CK_BBOOL CK_FALSE  
CKA_NSS EMAIL_DISTRUST_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: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
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\\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"
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\\022\\060\\020\\006\\003\\125\\004\\012\\023\\011\\111\\144\\145\\156\\124\\162
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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
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\\001\\102\\200\\000\\000\\001\\105\\043\\317\\106\\174\\000\\000\\000\\002\\060
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\\164\\061\\052\\060\\050\\006\\003\\125\\004\\003\\023\\041\\111\\144\\145\\156
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\\015\\061\\064\\060\\061\\061\\066\\061\\067\\065\\063\\063\\062\\132\\027\\015
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\\060\\015\\006\\011\\052\\206\\110\\206\\367\\015\\001\\001\\005\\000\\003
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\\362\\240\\155\\213\\250\\107\\351\\142\\166\\036\\021\\356\\010\\024\\321\\262
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\\375\\204\\313\\066\\040\\201\\131\\055\\232\\157\\155\\110\\110\\141\\312\\114

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\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
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\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
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\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
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\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
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\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
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\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
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\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
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|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
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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 "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

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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
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\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
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\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
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\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
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\005\000\060\201\276\061\013\060\011\006\003\125\004\006\023\002
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\145\162\155\163\061\071\060\067\006\003\125\004\013\023\060\050
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\157\162\151\172\145\144\040\165\163\145\040\157\156\154\171\061
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\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
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\002\125\123\061\026\060\024\006\003\125\004\012\023\015\105\156
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\164\145\162\155\163\061\071\060\067\006\003\125\004\013\023\060
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\060\001\247\166\352\062\270\225\101\032\311\332\141\116\130\162
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\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

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\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
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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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:79:29:00:00:00:50: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

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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 "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
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\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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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

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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\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

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```

# 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_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
\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

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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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
\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\\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_DISTRUST_AFTER CK_BBOOL CK_FALSE  
CKA_NSS_EMAIL_DISTRUST_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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS EMAIL_DISTRUST_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
|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_VALUE MULTILINE_OCTAL
|060\202\005\322\060\202\003\272\240\003\002\001\002\002\020\041
|326\320\112\117\045\017\311\062\067\374\252\136\022\215\351\060
|015\006\011\052\206\110\206\367\015\001\001\015\005\000\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\060\042\030\017\062\060\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
|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\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\371\170\370\346\325\200
|014\144\235\206\033\226\144\147\077\042\072\036\165\001\175\357
|373\134\147\214\311\314\134\153\251\221\346\271\102\345\040\113
|233\332\233\173\271\231\135\331\233\200\113\327\204\100\053\047
|323\350\272\060\273\076\011\032\247\111\225\357\053\100\044\302
|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
|070\233\321\373\061\177\217\340\137\341\261\077\017\216\026\111
|140\327\006\215\030\371\252\046\020\253\052\323\320\321\147\215

\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
\342\221\050\211\271\300\133\371\035\331\347\047\255\377\232\002
\227\301\306\120\222\233\002\054\275\251\271\064\131\012\277\204
\112\377\337\376\263\237\353\331\236\340\230\043\354\246\153\167
\026\052\333\314\255\073\034\244\207\334\106\163\136\031\142\150
\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
\173\327\101\221\005\334\135\151\343\225\015\103\271\374\203\226
\071\225\173\154\200\132\117\023\162\306\327\175\051\172\104\272
\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
\151\330\016\132\106\213\072\353\046\372\043\311\266\260\201\276
\102\000\244\370\326\376\060\056\307\322\106\366\345\216\165\375
\362\314\271\320\207\133\314\006\020\140\273\203\065\267\136\147
\336\107\354\231\110\361\244\241\025\376\255\214\142\216\071\125
\117\071\026\271\261\143\235\377\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\266\241
\124\071\002\303\240\077\216\212\274\372\324\370\034\246\321\072
\016\375\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\161\245\016\316\344\351\277\077\070\325
\211\132\304\002\141\373\114\305\024\027\055\213\117\123\153\020
\027\374\145\204\307\020\111\220\336\333\307\046\223\210\046\157
\160\326\002\136\071\240\367\217\253\226\265\245\023\134\201\024
\155\016\201\202\021\033\212\116\306\117\245\335\142\036\104\337
\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
\170\075\041\144\326\373\101\037\030\017\347\311\165\161\275\275
\134\336\064\207\076\101\260\016\366\271\326\077\011\023\226\024
\057\336\232\035\132\271\126\316\065\072\260\137\160\115\136\343
\051\361\043\050\162\131\266\253\302\214\146\046\034\167\054\046
\166\065\213\050\247\151\240\371\073\365\043\335\205\020\164\311
\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
\132\074\306\035\144\330\265\061\344\246\074\172\250\127\013\333
\355\141\032\313\361\316\163\167\143\244\207\157\114\121\070\326
\344\137\307\237\266\201\052\344\205\110\171\130\136\073\370\333
\002\202\147\301\071\333\303\164\113\075\066\036\371\051\223\210
\150\133\250\104\031\041\360\247\350\201\015\054\350\223\066\264

```

|067|262|312|260|033|046|172|232|045|037|232|232|200|236|113|052
|077|373|243|232|376|163|062|161|302|236|306|162|341|212|150|047
|361|344|017|264|304|114|245|141|223|370|227|020|007|052|060|045
|251|271|310|161|270|357|150|314|055|176|365|340|176|017|202|250
|157|266|272|154|203|103|167|315|212|222|027|241|236|133|170|026
|075|105|342|063|162|335|341|146|312|231|323|311|305|046|375|015
|150|004|106|256|266|331|233|214|276|031|276|261|306|362|031|343
|134|002|312|054|330|157|112|007|331|311|065|332|100|165|362|304
|247|031|157|236|102|020|230|165|346|225|213|140|274|355|305|022
|327|212|316|325|230|134|126|226|003|305|356|167|006|065|377|317
|344|356|077|023|141|356|333|332|055|205|360|315|256|235|262|030
|011|105|303|222|241|162|027|374|107|266|240|013|054|361|304|336
|103|150|010|152|137|073|360|166|143|373|314|006|054|246|306|342
|016|265|271|276|044|217

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 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

#
# 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
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
\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
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CKA_ISSUER MULTILINE_OCTAL

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\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
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\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
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\156\151\143\040\101\143\141\144\145\155\151\143\040\141\156\144
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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
\060\061\060\061\061\062\061\132\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
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\164\151\157\156\163\040\122\157\157\164\103\101\040\062\060\061
\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
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\260\221\072\171\074\146\132\357\155\071\001\111\032\264\267\317
\177\115\043\123\267\220\000\343\023\052\050\246\061\361\221\000
\343\050\354\256\041\101\316\037\332\375\175\022\133\001\203\017
\271\260\137\231\341\362\022\203\200\115\006\076\337\254\257\347

|241|210|153|061|257|360|213|320|030|063|270|333|105|152|064|364
|002|200|044|050|012|002|025|225|136|166|052|015|231|072|024|133
|366|313|313|123|274|023|115|001|210|067|224|045|033|102|274|042
|330|216|243|226|136|072|331|062|333|076|350|360|020|145|355|164
|341|057|247|174|257|047|064|273|051|175|233|266|317|011|310|345
|323|012|374|210|145|145|164|012|334|163|034|134|315|100|261|034
|324|266|204|214|114|120|317|150|216|250|131|256|302|047|116|202
|242|065|335|024|364|037|377|262|167|325|207|057|252|156|175|044
|047|347|306|313|046|346|345|376|147|007|143|330|105|015|335|072
|131|145|071|130|172|222|231|162|075|234|204|136|210|041|270|325
|364|054|374|331|160|122|117|170|270|275|074|053|213|225|230|365
|263|321|150|317|040|024|176|114|134|137|347|213|345|365|065|201
|031|067|327|021|010|267|146|276|323|112|316|203|127|000|072|303
|201|370|027|313|222|066|135|321|243|330|165|033|341|213|047|352
|172|110|101|375|105|031|006|255|047|231|116|301|160|107|335|265
|237|201|123|022|345|261|214|110|135|061|103|027|343|214|306|172
|143|226|113|051|060|116|204|116|142|031|136|074|316|227|220|245
|177|001|353|235|340|370|213|211|335|045|230|075|222|266|176|357
|331|361|121|121|175|055|046|310|151|131|141|340|254|152|270|052
|066|021|004|172|120|275|062|204|276|057|334|162|325|327|035|026
|107|344|107|146|040|077|364|226|305|257|216|001|172|245|017|172
|144|365|015|030|207|331|256|210|325|372|204|301|072|300|151|050
|055|362|015|150|121|252|343|245|167|306|244|220|016|241|067|213
|061|043|107|301|011|010|353|156|367|170|233|327|202|374|204|040
|231|111|031|266|022|106|261|373|105|125|026|251|243|145|254|234
|007|017|352|153|334|037|056|006|162|354|206|210|022|344|055|333
|137|005|057|344|360|003|323|046|063|347|200|302|315|102|241|027
|064|013|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|161|025|147|310|310|311|275|165|135
|162|320|070|030|152|235|363|161|044|124|013|060|015|006|011|052
|206|110|206|367|015|001|001|013|005|000|003|202|002|001|000|165
|273|155|124|113|252|020|130|106|064|362|142|327|026|066|135|010
|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
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|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
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\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
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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 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
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CKA_CERT_MD5_HASH MULTILINE_OCTAL
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END
CKA_ISSUER MULTILINE_OCTAL
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\040\111\156\163\164\151\164\165\164\151\157\156\163\040\122\157
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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
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\164\150\157\162\151\164\171\061\104\060\102\006\003\125\004\003
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\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

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\103\040\122\157\157\164\103\101\040\062\060\061\065
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\164\165\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
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\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
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\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\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
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\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\040\122\157\157\164\103
\101\040\062\060\061\065\060\066\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
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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

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\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

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\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

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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 "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

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# 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\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

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\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  
|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_DISTRUST_AFTER CK_BBOOL CK_FALSE  
CKA_NSS EMAIL_DISTRUST_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\060\132\027\015\063
\070\060\061\061\067\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\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

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|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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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\060\132\027\015\064
\060\060\065\062\066\060\060\060\060\060\060\060\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

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\157\164\040\103\101\040\062\060\202\002\042\060\015\006\011\052
\206\110\206\367\015\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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\164\040\103\101\040\063\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\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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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\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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE

```

CKA_NSS_EMAIL_DISTRUST_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

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\143\040\103\154\141\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\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

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|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_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 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

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\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

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\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\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

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|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

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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
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 (0xffffdac)
# 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"

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CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA SUBJECT MULTILINE_OCTAL
|060\05\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\05\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
|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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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 (0xffffdac)
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\132\027\015\064\063\061\060\062\065\060\070\062
\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

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|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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS EMAIL_DISTRUST_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

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\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

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\060\142\061\013\060\011\006\003\125\004\006\023\002\103\116\061
\062\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

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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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
\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
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE
```

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
\141\061\024\060\022\006\003\125\004\007\014\013\120\141\156\141

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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
\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_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\062
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\010\045\241\337\312\063\313\131\002
END
CKA_VALUE MULTILINE_OCTAL
\060\202\006\057\060\202\004\027\240\003\002\001\002\002\010\045
\241\337\312\063\313\131\002\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\164\103\145\162\164\040\103\101\055\062\060\036\027
\015\061\066\060\062\060\064\061\062\063\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
\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
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\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\164\103\145\162\164\040
\103\101\055\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\247\040\156\302\052\242\142\044\225\220\166
\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\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
\130\047\135\277\370\053\140\254\240\046\256\024\041\047\306\167
\232\063\200\074\136\106\077\367\303\261\243\206\063\306\350\136
\015\271\065\054\252\106\301\205\002\165\200\240\353\044\373\025
\252\344\147\177\156\167\077\364\004\212\057\174\173\343\027\141
\360\335\011\251\040\310\276\011\244\320\176\104\303\262\060\112
\070\252\251\354\030\232\007\202\053\333\270\234\030\255\332\340
\106\027\254\317\135\002\003\001\000\001\243\143\060\141\060\035
\006\003\125\035\016\004\026\004\024\331\376\041\100\156\224\236
\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
\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
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\075\317\342\352\006\265\262\072\273\006\113\150\172\320\043\227

\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
\354\335\371\351\222\227\333\260\106\102\363\323\142\252\225\376
\061\147\024\151\130\220\012\252\013\356\067\043\307\120\121\264
\365\176\236\343\173\367\344\314\102\062\055\111\014\313\377\111
\014\233\036\064\375\156\156\226\212\171\003\266\157\333\011\313
\375\137\145\024\067\341\070\365\363\141\026\130\344\265\155\015
\013\004\033\077\120\055\177\263\307\172\032\026\200\140\370\212
\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
\224\300\341\320\205\017\273\355\054\163\253\355\376\222\166\032
\144\177\133\015\063\011\007\063\173\006\077\021\244\134\160\074
\205\300\317\343\220\250\203\167\372\333\346\305\214\150\147\020
\147\245\122\055\360\304\231\217\177\277\321\153\342\265\107\326
\331\320\205\231\115\224\233\017\113\215\356\000\132\107\035\021
\003\254\101\030\257\207\267\157\014\072\217\312\317\334\003\301
\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
\223\213\113\362\054\171\026\020\324\223\013\210\217\241\330\206
\024\106\221\107\233\050\044\357\127\122\116\134\102\234\252\367
\111\354\047\350\100\036\263\246\211\042\162\234\365\015\063\264
\130\243\060\073\335\324\152\124\223\276\032\115\363\223\224\367
\374\204\013\077\204\040\134\064\003\104\305\332\255\274\012\301
\002\317\036\345\224\331\363\216\133\330\114\360\235\354\141\027
\273\024\062\124\014\002\051\223\036\222\206\366\177\357\347\222
\005\016\131\335\231\010\056\056\372\234\000\122\323\305\146\051
\344\247\227\104\244\016\050\201\023\065\305\366\157\144\346\101
\304\325\057\314\064\105\045\317\101\000\226\075\112\056\302\226
\230\117\116\112\234\227\267\333\037\222\062\310\377\017\121\156
\326\354\011

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 "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
\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\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
\\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_ID UTF8 "0"
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_VALUE MULTILINE_OCTAL
\\060\\202\\004\\040\\060\\202\\003\\010\\240\\003\\002\\001\\002\\002\\011\\000
\\204\\202\\054\\137\\034\\142\\320\\100\\060\\015\\006\\011\\052\\206\\110\\206
\\367\\015\\001\\001\\013\\005\\000\\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
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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
\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\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\217\340\021\265\237\250\166\166\333
\337\017\124\357\163\143\051\202\255\107\306\243\153\355\376\137
\063\370\103\121\351\032\063\221\061\027\240\164\304\324\247\001
\346\262\222\076\152\235\355\016\371\164\230\100\323\077\003\200
\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

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|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
CKA_NSS SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# 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

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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:A6:56:2E: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

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\006\023\002\125\123\061\016\060\014\006\003\125\004\010\014\005
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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

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# 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

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# 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\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\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

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\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\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
\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
```

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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 "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
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\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

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\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
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|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

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|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
\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS EMAIL_DISTRUST_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
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|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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS EMAIL_DISTRUST_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

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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

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\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\060\060\132\027\015\063\064\061
\062\061\060\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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

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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

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\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
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\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\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

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\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

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\154\157\142\141\154\040\107\062\040\122\157\157\164\060\036\027
\015\061\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\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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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\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\\07\\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\\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS EMAIL_DISTRUST_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

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|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\164\040\103\101\060\202\002\042\060\015\006\011\052
|206\110\206\367\015\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
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|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

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\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\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\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
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\270\236\117\360\343\225\010\042\347\315\150\101\367\034\125\325
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\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
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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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\005\000\003\202\001

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|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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE  
CKA_NSS_EMAIL_DISTRUST_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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS EMAIL_DISTRUST_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

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\040\105\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_DISTRUST_AFTER CK_BBOOL CK_FALSE  
CKA_NSS_EMAIL_DISTRUST_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
```

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|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\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
\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

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\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:00:00:00:55:65: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

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\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
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\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\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:00:00:00:55:65: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

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|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\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
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\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
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\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
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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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

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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

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\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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRUST_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

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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 "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\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\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
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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS EMAIL_DISTRUST_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
|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\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\305
|165\031\221\175\104\164\164\207\376\016\073\226\334\330\001\026
|314\356\143\221\347\013\157\316\073\012\151\032\174\302\343\257
|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
|116\175\221\325\026\137\153\133\000\302\071\103\015\066\205\122
|271\123\145\017\035\102\345\217\317\005\323\356\334\014\032\331
|270\213\170\042\147\344\151\260\150\305\074\344\154\132\106\347
|315\307\372\357\304\354\113\275\152\244\254\375\314\050\121\357
|222\264\051\253\253\065\232\114\344\304\010\306\046\314\370\151
|237\344\234\360\051\323\134\371\306\026\045\236\043\303\040\301
|075\017\077\070\100\260\376\202\104\070\252\132\032\212\153\143
|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
|304\361\154\251\256\345\317\015\156\050\015\260\016\265\312\121
|173\170\024\303\040\057\177\373\024\125\341\021\231\375\325\012
|241\236\002\343\142\137\353\065\113\054\270\162\350\076\075\117
|254\054\273\056\206\342\243\166\217\345\223\052\317\245\253\310
|134\215\113\006\377\022\106\254\170\313\024\007\065\340\251\337
|213\351\257\025\117\026\211\133\275\366\215\306\131\256\210\205
|016\301\211\353\037\147\305\105\216\377\155\067\066\053\170\146
|203\221\121\053\075\377\121\167\166\142\241\354\147\076\076\201
|203\340\126\251\120\037\037\172\231\253\143\277\204\027\167\361
|015\073\337\367\234\141\263\065\230\212\072\262\354\074\032\067
|077\176\217\222\317\331\022\024\144\332\020\002\025\101\377\117
|304\353\034\243\311\372\231\367\106\351\341\030\331\261\270\062
|055\313\024\014\120\330\203\145\203\356\271\134\317\313\005\132
|114\372\031\227\153\326\135\023\323\302\134\124\274\062\163\240

```
\170\365\361\155\036\313\237\245\246\237\042\334\321\121\236\202
\171\144\140\051\023\076\243\375\117\162\152\253\342\324\345\270
\044\125\054\104\113\212\210\104\234\312\204\323\052\073\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\202\041\055\146\306\327\240\340\025\353\316\114\011
\167\304\140\236\124\156\003\060\015\006\011\052\206\110\206\367
\015\001\001\013\005\000\003\202\002\001\000\140\336\032\270\347
\362\140\202\325\003\063\201\313\006\212\361\042\111\351\350\352
\221\177\306\063\136\150\031\003\206\073\103\001\317\007\160\344
\010\036\145\205\221\346\021\042\267\365\002\043\216\256\271\036
\175\037\176\154\346\275\045\325\225\032\362\005\246\257\205\002
\157\256\370\326\061\377\045\311\112\310\307\212\251\331\237\113
\111\233\021\127\231\222\103\021\336\266\063\244\314\327\215\144
\175\324\315\074\050\054\264\232\226\352\115\365\304\104\304\045
\252\040\200\330\051\125\367\340\101\374\006\046\377\271\066\365
\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
\105\132\111\126\152\322\234\261\143\062\345\141\340\123\042\016
\247\012\111\352\313\176\037\250\342\142\200\366\020\105\122\230
\006\030\336\245\315\057\177\252\324\351\076\010\162\354\043\003
\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
\072\020\206\311\247\077\351\240\354\177\353\245\167\130\151\161
\346\203\012\067\362\206\111\152\276\171\010\220\366\002\026\144
\076\345\332\114\176\014\064\311\371\137\266\263\050\121\247\247
\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
\324\271\122\124\162\173\226\045\314\274\151\343\110\156\015\320
\307\235\047\232\252\370\023\222\335\036\337\143\237\065\251\026
\066\354\214\270\203\364\075\211\217\315\264\027\136\327\263\027
\101\020\135\047\163\140\205\127\111\042\007
```

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 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
\046\371\223\264\355\075\050\047\260\271\113\247\351\025\035\243
\215\222\345\062
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\214\361\165\212\306\031\317\224\267\367\145\040\207\303\227\307
END
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_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
\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\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_VALUE MULTILINE_OCTAL
\060\202\005\332\060\202\003\302\240\003\002\001\002\002\014\005
\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
\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\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
\306\353\006\126\211\210\376\254\062\235\375\134\303\005\307\156
\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
\325\153\066\346\100\210\326\173\057\137\005\350\054\155\021\363
\347\262\276\222\104\114\322\227\244\376\322\162\201\103\007\234
\351\021\076\365\213\032\131\175\037\150\130\335\004\000\054\226
\363\103\263\176\230\031\164\331\234\163\331\030\276\101\307\064
\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
\046\245\376\072\302\040\156\273\370\026\216\315\014\251\264\033
\154\166\020\341\130\171\106\076\124\316\200\250\127\011\067\051
\033\231\023\217\014\310\326\054\034\373\005\350\010\225\075\145
\106\334\356\315\151\342\115\217\207\050\116\064\013\076\317\024
\331\273\335\266\120\232\255\167\324\031\326\332\032\210\310\116
\033\047\165\330\262\010\361\256\203\060\271\021\016\315\207\360
\204\215\025\162\174\241\357\314\362\210\141\272\364\151\273\014
\214\013\165\127\004\270\116\052\024\056\075\017\034\036\062\246
\142\066\356\146\342\042\270\005\100\143\020\042\363\063\035\164
\162\212\054\365\071\051\240\323\347\033\200\204\055\305\075\343
\115\261\375\032\157\272\145\007\073\130\354\102\105\046\373\330
\332\045\162\304\366\000\261\042\171\275\343\174\131\142\112\234
\005\157\075\316\346\326\107\143\231\306\044\157\162\022\310\254
\177\220\264\013\221\160\350\267\346\026\020\161\027\316\336\006
\117\110\101\175\065\112\243\211\362\311\113\173\101\021\155\147
\267\010\230\114\345\021\031\256\102\200\334\373\220\005\324\370
\120\312\276\344\255\307\302\224\327\026\235\346\027\217\257\066
\373\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\231\340\031\147\015\142\333\166\263\332
\075\270\133\350\375\102\322\061\016\207\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\230\163
\160\342\260\323\355\071\354\114\140\331\251\022\206\027\036\226
\320\350\124\050\073\144\055\041\246\370\235\126\023\152\110\075

\117\307\076\051\333\155\130\203\124\075\207\175\043\005\324\344
\034\334\350\070\145\206\305\165\247\132\333\065\005\275\167\336
\273\051\067\100\005\007\303\224\122\237\312\144\335\361\033\053
\334\106\012\020\002\061\375\112\150\015\007\144\220\346\036\365
\052\241\250\273\074\135\371\243\010\013\021\014\361\077\055\020
\224\157\376\342\064\207\203\326\317\345\033\065\155\322\003\341
\260\015\250\240\252\106\047\202\066\247\025\266\010\246\102\124
\127\266\231\132\342\013\171\220\327\127\022\121\065\031\210\101
\150\045\324\067\027\204\025\373\001\162\334\225\336\122\046\040
\230\046\342\166\365\047\157\372\000\073\112\141\331\015\313\121
\223\052\375\026\006\226\247\043\232\043\110\376\121\275\266\304
\260\261\124\316\336\154\101\255\026\147\176\333\375\070\315\271
\070\116\262\301\140\313\235\027\337\130\236\172\142\262\046\217
\164\225\233\344\133\035\322\017\335\230\034\233\131\271\043\323
\061\240\246\377\070\335\317\040\117\351\130\126\072\147\303\321
\366\231\231\235\272\066\266\200\057\210\107\117\206\277\104\072
\200\344\067\034\246\272\352\227\230\021\320\204\142\107\144\036
\252\356\100\277\064\261\234\217\116\341\362\222\117\037\216\363
\236\227\336\363\246\171\152\211\161\117\113\047\027\110\376\354
\364\120\017\117\111\175\314\105\343\275\172\100\305\101\334\141
\126\047\006\151\345\162\101\201\323\266\001\211\240\057\072\162
\171\376\072\060\277\101\354\307\142\076\221\113\307\331\061\166
\102\371\367\074\143\354\046\214\163\014\175\032\035\352\250\174
\207\250\302\047\174\341\063\101\017\317\317\374\000\240\042\200
\236\112\247\157\000\260\101\105\267\042\312\150\110\305\102\242
\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
\174\313\047\311\375\036\146\000\260\056\323\041\057\216\063\026
\154\230\355\020\250\007\326\314\223\317\333\321\151\034\344\312
\311\340\266\234\351\316\161\161\336\154\077\026\244\171

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 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 "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\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

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\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
\314\206\155\263\234\064\110\143\204\011\305\215\167\032\342\314
\234\341\164\173
```

END

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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 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 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

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\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
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\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

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\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\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

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|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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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

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```
\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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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\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
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\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
\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

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|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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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

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\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\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
\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\132\027\015\064\066\060\063\062
\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

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```
\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\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\122
|125\123\124\040\062\060\060\036\027\015\062\060\060\062
|061\060\060\060\060\060\060\132\027\015\064\060\060\066\061
|060\060\060\060\060\060\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\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\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

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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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
\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
\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

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\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\064\061\060\060\063\070\132\027\015
\063\071\060\070\063\060\061\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
\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_DISTRUST_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

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# 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

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# 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

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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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

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|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\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

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|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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS EMAIL_DISTRUST_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

#

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# 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

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\033\110\101\122\111\103\101\040\124\114\123\040\122\123\101\040
\122\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\\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\\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\\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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\007\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

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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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

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\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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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
```

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\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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRUST_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\013\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
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|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|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

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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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

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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

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\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
\062\060\071\060\064\060\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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\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

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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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\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\132\027\015\063\070\060
\061\061\071\060\063\061\064\060\067\132\060\120\061\044\060\042

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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

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# 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

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\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

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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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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

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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS EMAIL_DISTRUST_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

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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 "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

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|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|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
```

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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

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\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
\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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\040\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\040\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_DISTRUST_AFTER CK_BBOOL CK_FALSE  
CKA_NSS EMAIL_DISTRUST_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|040|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_DISTRUST_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRUST_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

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\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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE  
CKA_NSS_EMAIL_DISTRUST_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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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

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```

# 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

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```
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
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\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\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\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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE  
CKA_NSS_EMAIL_DISTRUST_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\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

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|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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS EMAIL_DISTRUST_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

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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 "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

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|015\064\066\060\064\060\061\060\060\060\060\060\060\060\060\060\060\060\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

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\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

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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 "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:F2:22: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

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\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\060\132\027\015\064\066\060
\064\060\061\060\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for "Certainly Root E1"
# Issuer: CN=Certainly Root E1,O=Certainly,C=US

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# 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

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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\164\040\103\101\040\122
\123\101\040\166\063\060\036\027\015\062\060\060\063\061\062\060\071
\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_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_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

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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\1040
\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\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_DISTRUST_AFTER CK_BBOOL CK_FALSE  
CKA_NSS EMAIL_DISTRUST_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

```

Found in path(s):

* /opt/cola/permits/1376394069_1659497040.3993607/0/ca-certificates-20220614-tar-bz2/ca-certificates-20220614/certdata.txt

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

```
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```

Found in path(s):

* /opt/cola/permits/1376394069_1659497040.3993607/0/ca-certificates-20220614-tar-bz2/ca-certificates-20220614/mk-ca-bundle.pl

1.12 lz4 1.9.1

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Upstream-Contact: Yann Collet <Cyan4973@github.com>

Source: <https://github.com/lz4/lz4>

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1.13 alpine-keys 2.4-r1

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1.14 arns 2.17.217

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1.17 bridgeutils 1.7.1

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1.23 aspect-j 1.9.7

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1.24 netty-nio-client 2.18.41

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1.25 p11-kit 0.24.0-r1

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1.26 slf4j 1.7.36

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1.27 spring-expression 5.3.23

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## 1.44 third-party-jackson-core 2.17.4

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```
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/control/GwtIncompatible.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/concurrent/GwtIncompatible.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/GwtIncompatible.java
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* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/collection/LinkedHashMap.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/Tuple.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/collection/Queue.java
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* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/collection/ArrayType.java
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* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/collection/TreeSet.java
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* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/Function4.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/collection/Foldable.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/collection/JavaConverters.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/Tuple1.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/collection/HashMultimap.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/CheckedFunction3.java
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* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/collection/LinkedHashSet.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/collection/Comparators.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/collection/Maps.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/collection/Traversable.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/control/Validation.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/collection/SortedSet.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/collection/Tree.java
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* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/collection/Ordered.java

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* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/collection/SortedMap.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/Function8.java
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* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/collection/RedBlackTree.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/CheckedPredicate.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/CheckedConsumer.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/Function3.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/Tuple8.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/Tuple4.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/concurrent/Future.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/collection/Seq.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/collection/AbstractQueue.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/collection/Map.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-
jar/io/vavr/collection/LinkedHashMultimap.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-
jar/io/vavr/collection/AbstractMultimap.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/collection/Multimap.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/collection/Multimaps.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/Tuple3.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/control/Either.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/collection/LinearSeq.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/CheckedFunction2.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/PartialFunction.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/Function1.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/collection/Array.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/CheckedFunction1.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/Function6.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/CheckedFunction8.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/collection/BitMappedTrie.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/Function7.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/collection/List.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/collection/GwtIncompatible.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/Tuple5.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/NotImplementedError.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/collection/Vector.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/concurrent/FutureImpl.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/$.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/Tuple0.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/collection/AbstractIterator.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/Lazy.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/collection/CharSeq.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/Function2.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/CheckedFunction7.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/CheckedRunnable.java
```

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* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/CheckedFunction5.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/collection/Collections.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/Tuple7.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/control/Option.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/collection/BitSet.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/CheckedFunction0.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/control/Try.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/MatchError.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/collection/Set.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/collection/PriorityQueue.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/collection/HashMap.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/Predicates.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/API.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-
jar/io/vavr/collection/HashArrayMappedTrie.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/collection/IndexedSeq.java
* /opt/cola/permits/1190663345_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/collection/TreeMap.java

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\* /opt/cola/permits/1190663345\_1628786632.57/0/vavr-0-10-4-sources-jar/io/vavr/concurrent/Promise.java

# 1.46 spring-aspects 5.3.22

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jQuery v3.6.0

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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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## Dynalink v.5
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Mesa 3-D Graphics Library v21.0.3

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include/GL/gl.h :

Mesa 3-D graphics library

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```

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* /opt/cola/permits/1448542535_1666354045.4903202/0/spring-data-rest-core-3-6-6-sources-
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* /opt/cola/permits/1448542535_1666354045.4903202/0/spring-data-rest-core-3-6-6-sources-
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* /opt/cola/permits/1448542535_1666354045.4903202/0/spring-data-rest-core-3-6-6-sources-
jar/org/springframework/data/rest/core/mapping/AnnotationBasedResourceDescription.java
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* /opt/cola/permits/1448542535_1666354045.4903202/0/spring-data-rest-core-3-6-6-sources-
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* /opt/cola/permits/1448542535_1666354045.4903202/0/spring-data-rest-core-3-6-6-sources-
jar/org/springframework/data/rest/core/mapping/ResourceDescription.java
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jar/org/springframework/data/rest/core/config/ProjectionDefinitionConfiguration.java
* /opt/cola/permits/1448542535_1666354045.4903202/0/spring-data-rest-core-3-6-6-sources-
jar/org/springframework/data/rest/core/config/MetadataConfiguration.java
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\* /opt/cola/permits/1448542535\_1666354045.4903202/0/spring-data-rest-core-3-6-6-sources-jar/org/springframework/data/rest/core/event/LinkedEntityEvent.java  
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* /opt/cola/permits/1448542535_1666354045.4903202/0/spring-data-rest-core-3-6-6-sources-
jar/org/springframework/data/rest/core/mapping/TypeBasedCollectionResourceMapping.java
* /opt/cola/permits/1448542535_1666354045.4903202/0/spring-data-rest-core-3-6-6-sources-
jar/org/springframework/data/rest/core/mapping/ResourceMetadata.java
* /opt/cola/permits/1448542535_1666354045.4903202/0/spring-data-rest-core-3-6-6-sources-
jar/org/springframework/data/rest/core/mapping/CollectionResourceMapping.java
* /opt/cola/permits/1448542535_1666354045.4903202/0/spring-data-rest-core-3-6-6-sources-
jar/org/springframework/data/rest/core/config/ResourceMappingConfiguration.java
* /opt/cola/permits/1448542535_1666354045.4903202/0/spring-data-rest-core-3-6-6-sources-
jar/org/springframework/data/rest/core/Path.java
* /opt/cola/permits/1448542535_1666354045.4903202/0/spring-data-rest-core-3-6-6-sources-
jar/org/springframework/data/rest/core/mapping/EvoInflectorTypeBasedCollectionResourceMapping.java
* /opt/cola/permits/1448542535_1666354045.4903202/0/spring-data-rest-core-3-6-6-sources-
jar/org/springframework/data/rest/core/support/SimpleRelProvider.java
* /opt/cola/permits/1448542535_1666354045.4903202/0/spring-data-rest-core-3-6-6-sources-
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jar/org/springframework/data/rest/core/mapping/ResourceMapping.java
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jar/org/springframework/data/rest/core/mapping/RepositoryMethodResourceMapping.java
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* /opt/cola/permits/1448542535_1666354045.4903202/0/spring-data-rest-core-3-6-6-sources-
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jar/org/springframework/data/rest/core/config/EnumTranslationConfiguration.java
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## 1.60 jackson-databind 2.13.4.2

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* /opt/cola/permits/1257217757_1642790274.61/0/hikaricp-4-0-3-sources-
jar/com/zaxxer/hikari/pool/ProxyCallableStatement.java
* /opt/cola/permits/1257217757_1642790274.61/0/hikaricp-4-0-3-sources-
jar/com/zaxxer/hikari/metrics/prometheus/PrometheusMetricsTracker.java
* /opt/cola/permits/1257217757_1642790274.61/0/hikaricp-4-0-3-sources-
jar/com/zaxxer/hikari/hibernate/HikariConfigurationUtil.java
* /opt/cola/permits/1257217757_1642790274.61/0/hikaricp-4-0-3-sources-
jar/com/zaxxer/hikari/HikariDataSource.java
* /opt/cola/permits/1257217757_1642790274.61/0/hikaricp-4-0-3-sources-jar/com/zaxxer/hikari/util/UtilityElf.java
* /opt/cola/permits/1257217757_1642790274.61/0/hikaricp-4-0-3-sources-
jar/com/zaxxer/hikari/HikariConfigMXBean.java
* /opt/cola/permits/1257217757_1642790274.61/0/hikaricp-4-0-3-sources-
jar/com/zaxxer/hikari/metrics/dropwizard/CodahaleMetricsTrackerFactory.java
* /opt/cola/permits/1257217757_1642790274.61/0/hikaricp-4-0-3-sources-
jar/com/zaxxer/hikari/pool/ProxyPreparedStatement.java
* /opt/cola/permits/1257217757_1642790274.61/0/hikaricp-4-0-3-sources-
jar/com/zaxxer/hikari/HikariPoolMXBean.java
* /opt/cola/permits/1257217757_1642790274.61/0/hikaricp-4-0-3-sources-
jar/com/zaxxer/hikari/metrics/prometheus/PrometheusHistogramMetricsTracker.java
* /opt/cola/permits/1257217757_1642790274.61/0/hikaricp-4-0-3-sources-
jar/com/zaxxer/hikari/util/PropertyElf.java
* /opt/cola/permits/1257217757_1642790274.61/0/hikaricp-4-0-3-sources-
jar/com/zaxxer/hikari/hibernate/HikariConnectionProvider.java
* /opt/cola/permits/1257217757_1642790274.61/0/hikaricp-4-0-3-sources-
jar/com/zaxxer/hikari/pool/ProxyStatement.java
```

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```
* /opt/cola/permits/1257217757_1642790274.61/0/hikaricp-4-0-3-sources-
jar/com/zaxxer/hikari/util/SuspendResumeLock.java
* /opt/cola/permits/1257217757_1642790274.61/0/hikaricp-4-0-3-sources-
jar/com/zaxxer/hikari/pool/ProxyResultSet.java
```

```
* /opt/cola/permits/1257217757_1642790274.61/0/hikaricp-4-0-3-sources-
jar/com/zaxxer/hikari/util/JavassistProxyFactory.java
* /opt/cola/permits/1257217757_1642790274.61/0/hikaricp-4-0-3-sources-jar/com/zaxxer/hikari/HikariConfig.java
* /opt/cola/permits/1257217757_1642790274.61/0/hikaricp-4-0-3-sources-
jar/com/zaxxer/hikari/metrics/prometheus/HikariCPCollector.java
* /opt/cola/permits/1257217757_1642790274.61/0/hikaricp-4-0-3-sources-jar/com/zaxxer/hikari/util/FastList.java
* /opt/cola/permits/1257217757_1642790274.61/0/hikaricp-4-0-3-sources-
jar/com/zaxxer/hikari/util/ConcurrentBag.java
* /opt/cola/permits/1257217757_1642790274.61/0/hikaricp-4-0-3-sources-
jar/com/zaxxer/hikari/util/DataSource.java
* /opt/cola/permits/1257217757_1642790274.61/0/hikaricp-4-0-3-sources-
jar/com/zaxxer/hikari/pool/ProxyFactory.java
* /opt/cola/permits/1257217757_1642790274.61/0/hikaricp-4-0-3-sources-
jar/com/zaxxer/hikari/pool/ProxyConnection.java
* /opt/cola/permits/1257217757_1642790274.61/0/hikaricp-4-0-3-sources-
jar/com/zaxxer/hikari/pool/ProxyLeakTaskFactory.java
* /opt/cola/permits/1257217757_1642790274.61/0/hikaricp-4-0-3-sources-
jar/com/zaxxer/hikari/pool/ProxyLeakTask.java
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```
* /opt/cola/permits/1257217757_1642790274.61/0/hikaricp-4-0-3-sources-
jar/com/zaxxer/hikari/metrics/prometheus/PrometheusMetricsTrackerFactory.java
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```
* /opt/cola/permits/1257217757_1642790274.61/0/hikaricp-4-0-3-sources-
jar/com/zaxxer/hikari/metrics/PoolStats.java
* /opt/cola/permits/1257217757_1642790274.61/0/hikaricp-4-0-3-sources-
jar/com/zaxxer/hikari/util/ClockSource.java
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* /opt/cola/permits/1257217757_1642790274.61/0/hikaricp-4-0-3-sources-jar/com/zaxxer/hikari/pool/PoolBase.java
```

## 1.66 mail 1.3.3

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* /opt/cola/permits/1503201479_1670597756.9397597/0/spring-data-jdbc-2-3-7-sources-1-
jar/org/springframework/data/jdbc/repository/support/JdbcQueryLookupStrategy.java
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* /opt/cola/permits/1503201479_1670597756.9397597/0/spring-data-jdbc-2-3-7-sources-1-
jar/org/springframework/data/jdbc/repository/query/Modifying.java
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jar/org/springframework/data/jdbc/core/mapping/AggregateReference.java
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jar/org/springframework/data/jdbc/core/mapping/JdbcMappingContext.java
* /opt/cola/permits/1503201479_1670597756.9397597/0/spring-data-jdbc-2-3-7-sources-1-
jar/org/springframework/data/jdbc/repository/config/EnableJdbcAuditing.java
* /opt/cola/permits/1503201479_1670597756.9397597/0/spring-data-jdbc-2-3-7-sources-1-
jar/org/springframework/data/jdbc/repository/query/Query.java
* /opt/cola/permits/1503201479_1670597756.9397597/0/spring-data-jdbc-2-3-7-sources-1-
jar/org/springframework/data/jdbc/core/mapping/BasicJdbcPersistentProperty.java
* /opt/cola/permits/1503201479_1670597756.9397597/0/spring-data-jdbc-2-3-7-sources-1-
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jar/org/springframework/data/jdbc/core/convert/FunctionCollector.java
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jar/org/springframework/data/jdbc/core/convert/JdbcTypeFactory.java
* /opt/cola/permits/1503201479_1670597756.9397597/0/spring-data-jdbc-2-3-7-sources-1-
jar/org/springframework/data/jdbc/repository/config/MyBatisJdbcConfiguration.java
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jar/org/springframework/data/jdbc/core/convert/ArrayUtils.java
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jar/org/springframework/data/jdbc/core/convert/DefaultDataAccessStrategy.java
* /opt/cola/permits/1503201479_1670597756.9397597/0/spring-data-jdbc-2-3-7-sources-1-
jar/org/springframework/data/jdbc/core/convert/IterableOfEntryToMapConverter.java
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jar/org/springframework/data/jdbc/core/JdbcAggregateOperations.java
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jar/org/springframework/data/jdbc/support/JdbcUtil.java
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jar/org/springframework/data/jdbc/repository/support/JdbcRepositoryFactoryBean.java
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jar/org/springframework/data/jdbc/core/convert/MapEntityRowMapper.java
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jar/org/springframework/data/jdbc/core/UnableToSetId.java
* /opt/cola/permits/1503201479_1670597756.9397597/0/spring-data-jdbc-2-3-7-sources-1-
jar/org/springframework/data/jdbc/repository/config/JdbcRepositoriesRegistrar.java
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jar/org/springframework/data/jdbc/mybatis/MyBatisDataAccessStrategy.java
* /opt/cola/permits/1503201479_1670597756.9397597/0/spring-data-jdbc-2-3-7-sources-1-
jar/org/springframework/data/jdbc/core/convert/EntityRowMapper.java
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jar/org/springframework/data/jdbc/core/convert/DelegatingDataAccessStrategy.java
* /opt/cola/permits/1503201479_1670597756.9397597/0/spring-data-jdbc-2-3-7-sources-1-
jar/org/springframework/data/jdbc/core/convert/SqlGeneratorSource.java
```

```
* /opt/cola/permits/1503201479_1670597756.9397597/0/spring-data-jdbc-2-3-7-sources-1-
jar/org/springframework/data/jdbc/core/convert/SqlGenerator.java
* /opt/cola/permits/1503201479_1670597756.9397597/0/spring-data-jdbc-2-3-7-sources-1-
jar/org/springframework/data/jdbc/repository/support/SimpleJdbcRepository.java
* /opt/cola/permits/1503201479_1670597756.9397597/0/spring-data-jdbc-2-3-7-sources-1-
jar/org/springframework/data/jdbc/repository/config/JdbcRepositoryConfigExtension.java
* /opt/cola/permits/1503201479_1670597756.9397597/0/spring-data-jdbc-2-3-7-sources-1-
jar/org/springframework/data/jdbc/core/JdbcAggregateTemplate.java
* /opt/cola/permits/1503201479_1670597756.9397597/0/spring-data-jdbc-2-3-7-sources-1-
jar/org/springframework/data/jdbc/repository/support/JdbcRepositoryFactory.java
* /opt/cola/permits/1503201479_1670597756.9397597/0/spring-data-jdbc-2-3-7-sources-1-
jar/org/springframework/data/jdbc/repository/config/EnableJdbcRepositories.java
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* /opt/cola/permits/1503201479_1670597756.9397597/0/spring-data-jdbc-2-3-7-sources-1-
jar/org/springframework/data/jdbc/repository/query/StringBasedJdbcQuery.java
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\* /opt/cola/permits/1503201479\_1670597756.9397597/0/spring-data-jdbc-2-3-7-sources-1-jar/org/springframework/data/jdbc/core/dialect/JdbcDialect.java  
\* /opt/cola/permits/1503201479\_1670597756.9397597/0/spring-data-jdbc-2-3-7-sources-1-jar/org/springframework/data/jdbc/core/convert/Identifier.java  
\* /opt/cola/permits/1503201479\_1670597756.9397597/0/spring-data-jdbc-2-3-7-sources-1-jar/org/springframework/data/jdbc/core/convert/AggregateReferenceConverters.java  
\* /opt/cola/permits/1503201479\_1670597756.9397597/0/spring-data-jdbc-2-3-7-sources-1-jar/org/springframework/data/jdbc/core/dialect/JdbcDb2Dialect.java  
\* /opt/cola/permits/1503201479\_1670597756.9397597/0/spring-data-jdbc-2-3-7-sources-1-jar/org/springframework/data/jdbc/core/dialect/H2TimestampWithTimeZoneToOffsetDateTimeConverter.java  
\* /opt/cola/permits/1503201479\_1670597756.9397597/0/spring-data-jdbc-2-3-7-sources-1-jar/org/springframework/data/jdbc/core/dialect/JdbcPostgresDialect.java  
\* /opt/cola/permits/1503201479\_1670597756.9397597/0/spring-data-jdbc-2-3-7-sources-1-jar/org/springframework/data/jdbc/core/dialect/JdbcSqlServerDialect.java  
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\* /opt/cola/permits/1503201479\_1670597756.9397597/0/spring-data-jdbc-2-3-7-sources-1-jar/org/springframework/data/jdbc/core/dialect/JdbcArrayColumns.java  
\* /opt/cola/permits/1503201479\_1670597756.9397597/0/spring-data-jdbc-2-3-7-sources-1-jar/org/springframework/data/jdbc/repository/query/JdbcCountQueryCreator.java

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\* /opt/cola/permits/1503201479\_1670597756.9397597/0/spring-data-jdbc-2-3-7-sources-1-jar/org/springframework/data/jdbc/repository/query/PartTreeJdbcQuery.java  
\* /opt/cola/permits/1503201479\_1670597756.9397597/0/spring-data-jdbc-2-3-7-sources-1-

```
jar/org/springframework/data/jdbc/core/convert/JdbcPropertyValueProvider.java
* /opt/cola/permits/1503201479_1670597756.9397597/0/spring-data-jdbc-2-3-7-sources-1-
jar/org/springframework/data/jdbc/core/convert/ResultSetAccessor.java
* /opt/cola/permits/1503201479_1670597756.9397597/0/spring-data-jdbc-2-3-7-sources-1-
jar/org/springframework/data/jdbc/repository/query/JdbcQueryMethod.java
* /opt/cola/permits/1503201479_1670597756.9397597/0/spring-data-jdbc-2-3-7-sources-1-
jar/org/springframework/data/jdbc/repository/query/JdbcQueryCreator.java
* /opt/cola/permits/1503201479_1670597756.9397597/0/spring-data-jdbc-2-3-7-sources-1-
jar/org/springframework/data/jdbc/core/convert/Jsr310TimestampBasedConverters.java
* /opt/cola/permits/1503201479_1670597756.9397597/0/spring-data-jdbc-2-3-7-sources-1-
jar/org/springframework/data/jdbc/repository/query/QueryMapper.java
* /opt/cola/permits/1503201479_1670597756.9397597/0/spring-data-jdbc-2-3-7-sources-1-
jar/org/springframework/data/jdbc/core/convert/ResultSetAccessorPropertyAccessor.java
* /opt/cola/permits/1503201479_1670597756.9397597/0/spring-data-jdbc-2-3-7-sources-1-
jar/org/springframework/data/jdbc/core/convert/JdbcColumnTypes.java
* /opt/cola/permits/1503201479_1670597756.9397597/0/spring-data-jdbc-2-3-7-sources-1-
jar/org/springframework/data/jdbc/core/convert/JdbcBackReferencePropertyValueProvider.java
* /opt/cola/permits/1503201479_1670597756.9397597/0/spring-data-jdbc-2-3-7-sources-1-
jar/org/springframework/data/jdbc/repository/config/DialectResolver.java
* /opt/cola/permits/1503201479_1670597756.9397597/0/spring-data-jdbc-2-3-7-sources-1-
jar/org/springframework/data/jdbc/repository/query/JdbcQueryExecution.java
* /opt/cola/permits/1503201479_1670597756.9397597/0/spring-data-jdbc-2-3-7-sources-1-
jar/org/springframework/data/jdbc/repository/query/ParametrizedQuery.java
* /opt/cola/permits/1503201479_1670597756.9397597/0/spring-data-jdbc-2-3-7-sources-1-
jar/org/springframework/data/jdbc/repository/query/AbstractJdbcQuery.java
* /opt/cola/permits/1503201479_1670597756.9397597/0/spring-data-jdbc-2-3-7-sources-1-
jar/org/springframework/data/jdbc/core/AggregateChangeExecutor.java
```

# 1.69 openjdk 11.0.18

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## The Unicode Standard, Unicode Character Database, Version 10.0.0

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jQuery UI v1.11.4

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jQuery Migrate v3.0.1

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 */
```

Found in path(s):

```
* /opt/cola/permits/1140374710_1614810744.08/0/converter-jackson-2-9-0-sources-jar/retrofit2/converter/jackson/JacksonResponseBodyConverter.java
```

```
* /opt/cola/permits/1140374710_1614810744.08/0/converter-jackson-2-9-0-sources-
jar/retrofit2/converter/jackson/JacksonConverterFactory.java
* /opt/cola/permits/1140374710_1614810744.08/0/converter-jackson-2-9-0-sources-
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```

## 1.71 libretls 3.3.4-r3

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```
* /opt/cola/permits/1334730768_1653653249.5131547/0/jsr305-3-0-2-sources-8-
jar/javax/annotation/concurrent/GuardedBy.java
* /opt/cola/permits/1334730768_1653653249.5131547/0/jsr305-3-0-2-sources-8-
jar/javax/annotation/concurrent/NotThreadSafe.java
* /opt/cola/permits/1334730768_1653653249.5131547/0/jsr305-3-0-2-sources-8-
jar/javax/annotation/concurrent/Immutable.java
* /opt/cola/permits/1334730768_1653653249.5131547/0/jsr305-3-0-2-sources-8-
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It was originally written by [Tatu Saloranta](mailto:tatu.salaranta@iki.fi) ([tatu.salaranta@iki.fi](mailto:tatu.salaranta@iki.fi)), and has been in development since 2007.

It is currently developed by a community of developers.

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\* /opt/cola/permits/1390248816\_1660530551.7134993/0/opencsv-5-6-sources-1-jar/com/opencsv/CSVParserWriter.java

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```
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/exceptions/CsvRequiredFieldEmptyException.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/exceptions/CsvMultilineLimitBrokenException.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/util/OpenCsvUtils.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/exceptions/CsvDataTypeMismatchException.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/stream/reader/package-info.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/customconverter/ConvertGermanToBoolean.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-jar/com/opencsv/bean/package-
info.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/customconverter/package-info.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/exceptions/CsvBadConverterException.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/AbstractBeanField.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/StatefulBeanToCsv.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/ConverterPrimitiveTypes.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/customconverter/ConvertFrenchToBoolean.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/exceptions/package-info.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/CsvCustomBindByPosition.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/CsvToBeanBuilder.java
```

```
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/exceptions/CsvBeanIntrospectionException.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/StatefulBeanToCsvBuilder.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/CsvBindByPosition.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/CsvCustomBindByName.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/exceptions/CsvRuntimeException.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/CsvBindByName.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/CsvDate.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-jar/com/opencsv/enums/package-
info.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/ConverterDate.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/exceptions/CsvMalformedLineException.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/exceptions/CsvException.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/exceptions/CsvConstraintViolationException.java
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 * @author Glen Smith
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```

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* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-jar/com/opencsv/CSVReader.java
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jar/com/opencsv/bean/concurrent/package-info.java
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* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/HeaderColumnNameMappingStrategy.java
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```
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/CsvToBean.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/MappingStrategy.java
```

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```
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 *
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* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-jar/com/opencsv/package-info.java
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* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/ResultSetHelperService.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/CSVReaderBuilder.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/ResultSetHelper.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/CSVParserBuilder.java
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* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-jar/META-
INF/maven/com.opencsv/opencsv/pom.xml
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* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-jar/com/opencsv/bean/CsvToBeanFilter.java
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```
*/
```

```
/**
```

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```

```
*
```

```
* @author Glen Smith
```

```
*/
```

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```
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-jar/com/opencsv/CSVWriter.java
```

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* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-jar/com/opencsv/bean/HeaderColumnNameTranslateMappingStrategy.java
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jar/com/opencsv/bean/CsvConverter.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/FieldMapByName.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/BeanFieldSingleValue.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/CsvBindAndSplitByPosition.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/concurrent/ProcessCsvBean.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/AbstractCsvConverter.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/CsvBindAndJoinByPosition.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/concurrent/ProcessCsvLine.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/BeanFieldJoin.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/BeanFieldSplit.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/concurrent/IntolerantThreadPoolExecutor.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/concurrent/AccumulateCsvResults.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/util/OrderedObject.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/FieldMapByNameEntry.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
```

```
jar/com/opencsv/bean/CsvBindAndSplitByName.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/CsvBindAndJoinByName.java
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Found in path(s):

```
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-jar/opencsv_pt_BR.properties
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-jar/opencsv.properties
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-jar/opencsv_de.properties
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/convertLanguageToBoolean_en.properties
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/convertLanguageToBoolean_de.properties
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-jar/opencsv_en.properties
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/convertLanguageToBoolean.properties
```

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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/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-jar/com/opencsv/CSVParser.java
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Found in path(s):

```
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/PositionToBeanField.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/FieldMapByPosition.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/AbstractMappingStrategy.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/BeanFieldJoinIntegerIndex.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/RegexToBeanField.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/FieldMap.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/comparator/package-info.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/AbstractFieldMap.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/CsvNumber.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/comparator/LiteralComparator.java
```

```
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/ComplexFieldMapEntry.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/AbstractFieldMapEntry.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/HeaderIndex.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/FieldMapByPositionEntry.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/ConverterNumber.java
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/bean/BeanFieldJoinStringIndex.java
```

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```
* /opt/cola/permits/1390248816_1660530551.7134993/0/opencsv-5-6-sources-1-
jar/com/opencsv/ResultSetColumnNameHelperService.java
```

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\*\*\*\*\*

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- Jackson-dataformat-cbor - <https://github.com/FasterXML/jackson-dataformats-binary>

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## 1.84 jctools-core 3.1.0

### 1.84.1 Available under license :

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 * 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.
 */
```

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/SpscUnboundedAtomicArrayQueue.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/queues/atomic/SpmcAtomicArrayQueue.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
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jar/org/jctools/queues/MpscUnboundedXaddArrayQueue.java
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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-
jar/org/jctools/queues/atomic/SpscLinkedAtomicQueue.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
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
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/queues/ConcurrentSequencedCircularArrayQueue.java
* /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
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* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/maps/NonBlockingIdentityHashMap.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/queues/BaseLinkedQueue.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
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
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jar/org/jctools/util/Pow2.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/queues/spec/ConcurrentQueueSpec.java
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jar/org/jctools/queues/atomic/SpscChunkedAtomicArrayQueue.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
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* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/queues/MpscUnboundedXaddChunk.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/queues/atomic/MpscUnboundedAtomicArrayQueue.java
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jar/org/jctools/queues/SpscUnboundedArrayQueue.java
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jar/org/jctools/util/PortableJvmInfo.java
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jar/org/jctools/queues/ConcurrentCircularArrayQueue.java
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jar/org/jctools/maps/NonBlockingSetInt.java
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jar/org/jctools/queues/atomic/BaseLinkedAtomicQueue.java
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jar/org/jctools/util/UnsafeRefArrayAccess.java
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* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
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* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/queues/MpscUnboundedArrayQueue.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
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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
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/queues/SpscGrowableArrayQueue.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/util/RangeUtil.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/queues/package-info.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/queues/BaseSpscLinkedArrayQueue.java

```

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```

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xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/maven-v4_0_0.xsd">
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<groupId>org.jctools</groupId>
<version>3.1.0</version>
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```

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 <dependency>
 <groupId>junit</groupId>
 <artifactId>junit</artifactId>
 <version>${junit.version}</version>
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 <dependency>
 <groupId>com.google.guava</groupId>
 <artifactId>guava-testlib</artifactId>
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 <instructions>
 <Import-Package>sun.misc;resolution:=optional</Import-Package>
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 <goal>jar-no-fork</goal>
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</plugin>
<plugin>
 <groupId>org.apache.maven.plugins</groupId>
 <artifactId>maven-javadoc-plugin</artifactId>
 <version>3.1.1</version>
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 <additionalOptions>
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 </additionalOptions>
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</plugin>
</plugins>
</build>

<distributionManagement>
 <repository>
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 <name>jctools-jctools</name>
 <url>https://api.bintray.com/maven/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>
 <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>

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 <junit.version>4.12</junit.version>
 <guava-testlib.version>21.0</guava-testlib.version>

```

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</properties>
</project>
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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

# 1.85 regions 2.17.217

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CUP Parser Generator for Java v 0.10k

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*

* Xlib Extension-Writing Utilities

*

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Require-Capability: osgi.ee;filter:"(&(osgi.ee=JavaSE)(version=1.7))"
Tool: Bnd-3.5.0.201709291849
Export-Package: com.typesafe.netty.http;uses:="io.netty.channel,io.netty.handler.codec.http,io.netty.handler.codec.http.websocketx,org.reactivestreams";version="2.0.5"
Bundle-Name: Netty Reactive Streams HTTP support
Bundle-Version: 2.0.5
Created-By: Apache Maven Bundle Plugin
Build-Jdk: 1.8.0_181

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1.91 libc-utils 0.7.2-r3

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1.92 vavr-match 0.10.4

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1.93 springdoc-openapi-ui 1.6.9

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1.94 spring-context 5.3.22

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```

Found in path(s):

```
* /opt/cola/permits/1182835369_1627061008.73/0/json-path-2-6-0-sources-
jar/com/jayway/restassured/path/json/exception/JsonPathException.java
* /opt/cola/permits/1182835369_1627061008.73/0/json-path-2-6-0-sources-
jar/com/jayway/restassured/internal/path/json/mapping/JsonPathJackson1ObjectDeserializer.groovy
* /opt/cola/permits/1182835369_1627061008.73/0/json-path-2-6-0-sources-
jar/com/jayway/restassured/mapper/factory/DefaultJackson1ObjectMapperFactory.java
* /opt/cola/permits/1182835369_1627061008.73/0/json-path-2-6-0-sources-
jar/com/jayway/restassured/internal/path/json/JsonPrettifier.groovy
* /opt/cola/permits/1182835369_1627061008.73/0/json-path-2-6-0-sources-
jar/com/jayway/restassured/internal/path/json/JSONAssertion.groovy
* /opt/cola/permits/1182835369_1627061008.73/0/json-path-2-6-0-sources-
jar/com/jayway/restassured/path/json/config/JsonPathConfig.java
* /opt/cola/permits/1182835369_1627061008.73/0/json-path-2-6-0-sources-
jar/com/jayway/restassured/path/json/config/JsonParserType.java
* /opt/cola/permits/1182835369_1627061008.73/0/json-path-2-6-0-sources-
jar/com/jayway/restassured/internal/path/json/ConfigurableJsonSlurper.groovy
* /opt/cola/permits/1182835369_1627061008.73/0/json-path-2-6-0-sources-
jar/com/jayway/restassured/mapper/factory/DefaultGsonObjectMapperFactory.java
* /opt/cola/permits/1182835369_1627061008.73/0/json-path-2-6-0-sources-
jar/com/jayway/restassured/internal/path/json/mapping/JsonObjectDeserializer.groovy
* /opt/cola/permits/1182835369_1627061008.73/0/json-path-2-6-0-sources-
jar/com/jayway/restassured/mapper/factory/DefaultJackson2ObjectMapperFactory.java
* /opt/cola/permits/1182835369_1627061008.73/0/json-path-2-6-0-sources-
jar/com/jayway/restassured/internal/path/json/mapping/JsonPathGsonObjectDeserializer.groovy
* /opt/cola/permits/1182835369_1627061008.73/0/json-path-2-6-0-sources-
jar/com/jayway/restassured/path/json/JsonPath.java
* /opt/cola/permits/1182835369_1627061008.73/0/json-path-2-6-0-sources-
jar/com/jayway/restassured/mapper/factory/GsonObjectMapperFactory.java
* /opt/cola/permits/1182835369_1627061008.73/0/json-path-2-6-0-sources-
jar/com/jayway/restassured/internal/path/json/mapping/JsonPathJackson2ObjectDeserializer.groovy
* /opt/cola/permits/1182835369_1627061008.73/0/json-path-2-6-0-sources-
jar/com/jayway/restassured/path/json/mapping/JsonPathObjectDeserializer.java
* /opt/cola/permits/1182835369_1627061008.73/0/json-path-2-6-0-sources-
jar/com/jayway/restassured/mapper/factory/Jackson2ObjectMapperFactory.java
* /opt/cola/permits/1182835369_1627061008.73/0/json-path-2-6-0-sources-
jar/com/jayway/restassured/mapper/factory/Jackson1ObjectMapperFactory.java
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1.96 lombok 1.18.20

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```
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/graph/Traverser.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/graph/BaseGraph.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/ClosingFuture.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/graph/AbstractBaseGraph.java
```

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* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/graph/ParametricNullness.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/eventbus/ElementTypesAreNonnullByDefault.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/reflect/ElementTypesAreNonnullByDefault.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/base/ElementTypesAreNonnullByDefault.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/cache/ParametricNullness.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/xml/ElementTypesAreNonnullByDefault.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/graph/ElementTypesAreNonnullByDefault.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/primitives/ParametricNullness.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/ParametricNullness.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/primitives/ElementTypesAreNonnullByDefault.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/net/ParametricNullness.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ParametricNullness.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/math/ParametricNullness.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/xml/ParametricNullness.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/cache/ElementTypesAreNonnullByDefault.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/escape/ParametricNullness.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/math/ElementTypesAreNonnullByDefault.java
```

```
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/io/ParametricNullness.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/html/ParametricNullness.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/reflect/ParametricNullness.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/hash/ElementTypesAreNonnullByDefault.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/io/ElementTypesAreNonnullByDefault.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/base/ParametricNullness.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/html/ElementTypesAreNonnullByDefault.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/escape/ElementTypesAreNonnullByDefault.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/ElementTypesAreNonnullByDefault.java
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jar/com/google/common/net/ElementTypesAreNonnullByDefault.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/eventbus/ParametricNullness.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ElementTypesAreNonnullByDefault.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/hash/ParametricNullness.java
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jar/com/google/common/hash/Fingerprint2011.java
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* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/collect/FilteredSetMultimap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/collect/ForwardingNavigableMap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/collect/RangeMap.java
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* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/collect/EvictingQueue.java
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* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/collect/CompactLinkedHashMap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/collect/FilteredKeyListMultimap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/collect/ForwardingImmutableSet.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/collect/CompactHashMap.java

```
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ForwardingNavigableSet.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ForwardingBlockingDeque.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/FilteredEntrySetMultimap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/TreeRangeMap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/DescendingMultiset.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/FilteredEntryMultimap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/FilteredMultimap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/TransformedIterator.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/ForwardingBlockingDeque.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/FilteredKeySetMultimap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ForwardingImmutableMap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/TransformedListIterator.java
```

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 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
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 * limitations under the License.
 */
/***
 * 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/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/collect/ObjectArrays.java
```

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*/  
/*  
* This following method is a modified version of one found in  
* http://gee.cs.oswego.edu/cgi-bin/viewcvs.cgi/jsr166/src/test/tck/AbstractExecutorServiceTest.java?revision=1.30  
* which contained the following notice:  
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*  
* Other contributors include Andrew Wright, Jeffrey Hayes, Pat Fisher, Mike Judd.  
*/
```

Found in path(s):

```
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/util/concurrent/MoreExecutors.java
```

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```

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```
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/util/concurrent/ListeningExecutorService.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/primitives/package-info.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/net/package-  
info.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/collect/SortedLists.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/util/concurrent/UncaughtExceptionHandlers.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/base/Strings.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/util/concurrent/ThreadFactoryBuilder.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/annotations/package-info.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/collect/ContiguousSet.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/util/concurrent/ForwardingBlockingQueue.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/util/concurrent/Atomics.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/annotations/Beta.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/base/Equivalence.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/util/concurrent/Monitor.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/base/Ascii.java  
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```
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/collect/ImmutableBiMapFauxverideShim.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/graph/package-  
info.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/collect/CollectSpliterators.java
```

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```
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/collect/Queues.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/base/Optional.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/collect/AbstractSortedMultiset.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/collect/RegularContiguousSet.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/primitives/ParseRequest.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/cache>LoadingCache.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/net/HttpHeaders.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
```

```
jar/com/google/common/util/concurrent/FutureCallback.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/Uninterruptibles.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/hash/Crc32cHashFunction.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/base/Enums.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/ListeningScheduledExecutorService.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/math/LongMath.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/cache/RemovalListener.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/AbstractScheduledService.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/primitives/UnsignedInts.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/cache/RemovalCause.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/base/Ticker.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/hash/Hasher.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/base/PairwiseEquivalence.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/hash/BloomFilterStrategies.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/WrappingExecutorService.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/math/DoubleMath.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/reflect/Types.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/cache/CacheBuilderSpec.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/math/IntMath.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/BoundType.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/hash/AbstractNonStreamingHashFunction.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/hash/Funnel.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/hash/BloomFilter.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/UncheckedExecutionException.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
```

```
jar/com/google/common/math/BigIntegerMath.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/EmptyContiguousSet.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/cache/AbstractLoadingCache.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/TreeRangeSet.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/cache/CacheLoader.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/hash/AbstractCompositeHashFunction.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/AbstractListeningExecutorService.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/ExecutionError.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/CycleDetectingLockFactory.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/hash/Murmur3_32HashFunction.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/AsyncFunction.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/math/package-
info.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/cache/CacheStats.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/primitives/UnsignedInteger.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/primitives/UnsignedLong.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/hash/HashFunction.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/cache/Weigher.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/ForwardingListeningExecutorService.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/hash/AbstractStreamingHasher.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/cache/AbstractCache.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/net/MediaType.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/cache/Cache.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/base/Present.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/primitives/UnsignedLongs.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
```

```
jar/com/google/common/base/FunctionalEquivalence.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/math/MathPreconditions.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/hash/HashCode.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/cache/ForwardingCache.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/DescendingImmutableSortedMultiset.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/hash/Murmur3_128HashFunction.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/base/Absent.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/cache/ForwardingLoadingCache.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/RegularImmutableMultiset.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/hash/Funnels.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/net/HostAndPort.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/cache/RemovalListeners.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/hash/PrimitiveSink.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/reflect/TypeParameter.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/hash/AbstractHasher.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/hash/MessageDigestHashFunction.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/math/DoubleUtils.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/ForwardingExecutorService.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/hash/HashingOutputStream.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/cache/RemovalNotification.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/hash/Hashing.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/cache/package-
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```
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/UnmodifiableIterator.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/StandardRowSortedTable.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ImmutableMapKeySet.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/PeekingIterator.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/Tables.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/Serialization.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/Platform.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ImmutableBiMap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/RegularImmutableBiMap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ImmutableCollection.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/thirdparty/publicsuffix/PublicSuffixPatterns.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ImmutableMapView.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/Collections2.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ImmutableMap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/CollectPreconditions.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ImmutableEntry.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/SingletonImmutableBiMap.java
```

```
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ImmutableMultimap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/StandardTable.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/TreeBasedTable.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/Table.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ImmutableMapEntrySet.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ImmutableListMultimap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/RegularImmutableMap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ImmutableMultiset.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/Range.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/HashBasedTable.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ImmutableSortedSet.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/EmptyImmutableListMultimap.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/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/primitives/ShortsMethodsForWeb.java
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```

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```
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/NullnessCasts.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/NullnessCasts.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/base/NullnessCasts.java
```

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```
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/primitives/ImmutableDoubleArray.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/ForwardingCondition.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/primitives/ImmutableLongArray.java
```

```
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/ForwardingLock.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/hash/AbstractHashFunction.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/primitives/ImmutableIntArray.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/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/primitives/FloatsMethodsForWeb.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/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/Partially.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/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/base/ExtraObjectsMethodsForWeb.java
```

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```
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/base/PatternCompiler.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/base/JdkPattern.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/base/CommonMatcher.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/base/CommonPattern.java
```

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```
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jar/com/google/common/reflect/Reflection.java
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* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/base/AbstractIterator.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/base/Function.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/eventbus/Subscribe.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/io/ByteStreams.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/base/Predicates.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/eventbus/AsyncEventBus.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/io/LittleEndianDataOutputStream.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/base/Supplier.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/base/Preconditions.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/base/Charsets.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/io/LineBuffer.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/io/MultiInputStream.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/base/Functions.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/base/FinalizablePhantomReference.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/io/Flushables.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/base/FinalizableReference.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/util/concurrent/DirectExecutor.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/io/LineReader.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/util/concurrent/AbstractFuture.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/collect/EnumMultiset.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/collect/HashBiMap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/base/Objects.java

```
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/base/Throwables.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/io/CharStreams.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/package-info.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/eventbus/AllowConcurrentEvents.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/io/CountingOutputStream.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/Interners.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/base/Predicate.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/io/Closeables.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/io/Resources.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/base/FinalizableSoftReference.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/io/LittleEndianDataInputStream.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/base/FinalizableWeakReference.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/base/FinalizableReferenceQueue.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/base/Suppliers.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/base/package-
info.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/eventbus/DeadEvent.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/ExecutionList.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/ListenableFuture.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/eventbus/package-info.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/io/Files.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/eventbus/EventBus.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/io/package-
info.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/io/CountingInputStream.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/base/Defaults.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
```

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

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jar/com/google/common/util/concurrent/AbstractCatchingFuture.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/reflect/TypeToken.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/AggregateFuture.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/UncheckedTimeoutException.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/escape/CharEscaperBuilder.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/Futures.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/base/CaseFormat.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/SimpleTimeLimiter.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/TimeoutFuture.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/io/AppendableWriter.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/AbstractTransformFuture.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/TimeLimiter.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/annotations/VisibleForTesting.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/CollectionFuture.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
```

```
jar/com/google/common/util/concurrent/FuturesGetChecked.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/util/concurrent/GwtFluentFutureCatchingSpecialization.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/util/concurrent/FakeTimeLimiter.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/escape/CharEscaper.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/util/concurrent/GwtFuturesCatchingSpecialization.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/util/concurrent/FluentFuture.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/util/concurrent/ImmediateFuture.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/io/PatternFilenameFilter.java  
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```

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Found in path(s):

```
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/cache/ReferenceEntry.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/io/ByteProcessor.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/io/ByteArrayDataOutput.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/xml/XmlEscapers.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/io/LineProcessor.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/collect/DenseImmutableTable.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/cache/LocalCache.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
```

```
jar/com/google/common/util/concurrent/JdkFutureAdapters.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/escape/Escapers.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/annotations/GwtIncompatible.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/escape/Platform.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/AbstractIdleService.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/primitives/UnsignedBytes.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/net/HostSpecifier.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/net/InternetDomainName.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/escape/ArrayBasedCharEscaper.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/base/Splitter.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/net/UrlEscapers.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/base/Platform.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/escape/ArrayBasedUnicodeEscaper.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/MapMaker.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/html/HtmlEscapers.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/io/ByteArrayDataInput.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/escape/ArrayBasedEscaperMap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/MapMakerInternalMap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/Callables.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/reflect/TypeResolver.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/AbstractExecutionThreadService.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/Service.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/ForwardingFluentFuture.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/SettableFuture.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
```

```
jar/com/google/common/util/concurrent/AbstractService.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/collect/Cut.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/ForwardingFuture.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/SparseImmutableTable.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/ForwardingListenableFuture.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/RegularImmutableTable.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/annotations/GwtCompatible.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/cache/CacheBuilder.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/primitives/SignedBytes.java

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```
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ImmutableSortedAsList.java
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jar/com/google/common/hash/MacHashFunction.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ConsumingQueueIterator.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/CombinedFuture.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/AggregateFutureState.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/hash/LittleEndianByteArray.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/InterruptibleTask.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/AsyncCallable.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/Platform.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/hash/FarmHashFingerprint64.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/io/ReaderInputStream.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/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ImmutableSortedMapFauxverideShim.java
```

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 * express
 * or implied. See the License for the specific language governing permissions and limitations under
 * the License.
*/
/**
 * Holder for web specializations of methods of {@code Ints}. Intended to be empty for regular
 * version.
*/

```

Found in path(s):

```
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/primitives/IntsMethodsForWeb.java
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* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/collect/LexicographicalOrdering.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/collect/EnumHashBiMap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/collect/AbstractListMultimap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/collect/NaturalOrdering.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/collect/Interner.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/collect/package-info.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/collect/ForwardingMultiset.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/collect/Multiset.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/collect/AbstractMapBasedMultimap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/collect/AbstractMapEntry.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/collect/ForwardingMap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/collect/TreeMultimap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/collect/SetMultimap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/collect/CompoundOrdering.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/collect/ClassToInstanceMap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/collect/UsingToStringOrdering.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/collect/SingletonImmutableSet.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/collect/LinkedHashMultimap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/collect/Lists.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/collect/NullsLastOrdering.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/collect/SortedSetMultimap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-

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jar/com/google/common/collect/Iterators.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/Sets.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/Multimaps.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ImmutableSet.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ReverseOrdering.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ComparatorOrdering.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ForwardingMapEntry.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/Multisets.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/Maps.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/MutableClassToInstanceMap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ConcurrentHashMultiset.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/AbstractMultiset.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/Iterables.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/Synchronized.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ImmutableList.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/AbstractSetMultimap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ForwardingConcurrentMap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/HashMultimap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/Ordering.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/AbstractSortedSetMultimap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/EnumBiMap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/MapDifference.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ForwardingSortedMap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/Multimap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
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```
jar/com/google/common/collect/ForwardingMultimap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/RegularImmutableSet.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/NullsFirstOrdering.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/BiMap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ForwardingSortedSet.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/AbstractIterator.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/AbstractMapBasedMultiset.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ReverseNaturalOrdering.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ForwardingCollection.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/AbstractBiMap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ForwardingObject.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ListMultimap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ForwardingListIterator.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ExplicitOrdering.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/LinkedHashMultiset.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ByFunctionOrdering.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ForwardingList.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/LinkedListMultimap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ArrayListMultimap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/HashMultiset.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ForwardingSet.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ForwardingQueue.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ForwardingIterator.java
```

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* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/cache/Striped64.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/cache/LongAdder.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/AtomicDoubleArray.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/hash/Striped64.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/hash/LongAdder.java
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jar/com/google/common/base/StandardSystemProperty.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/RateLimiter.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/reflect/Invokable.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/reflect/AbstractInvocationHandler.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ImmutableRangeMap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/reflect/Parameter.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/io/ByteSink.java
```

```
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/math/Stats.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/reflect/package-info.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/hash/LongAddables.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/cache/LongAddables.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/collect/CartesianList.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/io/CharSink.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/reflect/ClassPath.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/collect/ImmutableRangeSet.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/io/BaseEncoding.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/util/concurrent/ListenableScheduledFuture.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/hash/AbstractByteHasher.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/io/Closer.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/reflect/ImmutableTypeToInstanceMap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/math/StatsAccumulator.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/math/PairedStats.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/hash/SipHashFunction.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/util/concurrent/ServiceManager.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/hash/ChecksumHashFunction.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/io/ByteSource.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/html/package-info.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/reflect/TypeCapture.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/xml/package-info.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/util/concurrent/SmoothRateLimiter.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/escape/package-info.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/collect/FilteredKeyMultimap.java
```

```
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/hash/LongAddable.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/cache/LongAddable.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/reflect/TypeToInstanceMap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/math/PairedStatsAccumulator.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/reflect/MutableTypeToInstanceMap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/io/CharSource.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/io/FileWriteMode.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/math/LinearTransformation.java
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* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/AtomicLongMap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/GwtTransient.java
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* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/SortedMultiset.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/SortedMultisets.java
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* the License.
*/
/**
 */
** */
* Holder for web specializations of methods of {@code Doubles}. Intended to be empty for regular
* version.
*/
```

Found in path(s):

```
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/primitives/DoublesMethodsForWeb.java
```

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* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/collect/RowSortedTable.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/collect/ForwardingSortedSetMultimap.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/collect/ForwardingSetMultimap.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/collect/MinMaxPriorityQueue.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/collect/AbstractSequentialIterator.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/collect/UnmodifiableListIterator.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/collect/ForwardingListMultimap.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/collect/SortedMapDifference.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/collect/ForwardingImmutableCollection.java
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```
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/base/Java8Compatibility.java  
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
```

```
jar/com/google/common/util/concurrent/OverflowAvoidingLockSupport.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/math/ToDoubleRounder.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/io/Java8Compatibility.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/math/BigDecimalMath.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/hash/Java8Compatibility.java
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jar/com/google/common/primitives/Platform.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/Internal.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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jar/com/google/common/collect/JdkBackedImmutableMultiset.java
```

```
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/hash/ImmutableSupplier.java
```

```
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/ExecutionSequencer.java
```

```
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/JdkBackedImmutableSet.java
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```
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info.java
```

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

Found in path(s):

```
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-  
jar/com/google/common/util/concurrent/Striped.java
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* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/collect/Comparators.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/collect/ImmutableMultisetGwtSerializationDependencies.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/graph/StandardMutableNetwork.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/graph/NetworkConnections.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/graph/StandardMutableValueGraph.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/graph/GraphConstants.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/graph/ElementOrder.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/collect/RangeGwtSerializationDependencies.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/collect/ArrayListMultimapGwtSerializationDependencies.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/graph/DirectedNetworkConnections.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/graph/UndirectedMultiNetworkConnections.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/graph/AbstractGraph.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/collect/HashMultimapGwtSerializationDependencies.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/graph/StandardMutableGraph.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/graph/UndirectedNetworkConnections.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/graph/AbstractUndirectedNetworkConnections.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/graph/ValueGraphBuilder.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/graph/MapRetrievalCache.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/graph/ForwardingNetwork.java

```
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/graph/MutableValueGraph.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/graph/GraphConnections.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/graph/NetworkBuilder.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/graph/EndpointPair.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/graph/AbstractDirectedNetworkConnections.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/graph/StandardValueGraph.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/graph/StandardNetwork.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/graph/AbstractValueGraph.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/graph/UndirectedGraphConnections.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/graph/ValueGraph.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/graph/MultiEdgesConnecting.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/graph/DirectedMultiNetworkConnections.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/graph/ForwardingValueGraph.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/graph/MapIteratorCache.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/graph/AbstractNetwork.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/CollectCollectors.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/graph/DirectedGraphConnections.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/MoreCollectors.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/graph/ImmutableValueGraph.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/graph/GraphBuilder.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/LinkedHashMultimapGwtSerializationDependencies.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/graph/ForwardingGraph.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/graph/EndpointPairIterator.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/graph/EdgesConnecting.java
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jar/com/google/common/eventbus/Dispatcher.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/math/Quantiles.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/TrustedListenableFutureTask.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/ListenerCallQueue.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/eventbus/Subscriber.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/base/MoreObjects.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/eventbus/SubscriberRegistry.java
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jar/com/google/common/collect/ImmutableMapEntry.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/io/MoreFiles.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/MultimapBuilder.java
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jar/com/google/common/graph/IncidentEdgeSet.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/CompactHashing.java
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* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/io/RecursiveDeleteOption.java

* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/graph/Network.java

* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/graph/PredecessorsFunction.java

* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/graph/ImmutableNetwork.java

* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/io/InsecureRecursiveDeleteException.java

* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/graph/MutableGraph.java

* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/graph/ImmutableGraph.java

* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/collect/TopKSelector.java

* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/graph/Graphs.java

* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/graph/MutableNetwork.java

* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/graph/SuccessorsFunction.java

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jar/com/google/common/collect/RegularImmutableSortedSet.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ComparisonChain.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ImmutableSortedSetFauxverideShim.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ImmutableSortedMap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/TableCollectors.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/RegularImmutableList.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/SingletonImmutableList.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ArrayList.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ImmutableEnumSet.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/DiscreteDomain.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ForwardingTable.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ImmutableClassToInstanceMap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ComputationException.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/SingletonImmutableTable.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
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```
jar/com/google/common/collect/ImmutableAsList.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/EmptyImmutableSetMultimap.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/AbstractIndexedListIterator.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ImmutableTable.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ImmutableSetMultimap.java

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jar/com/google/common/collect/GeneralRange.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/SortedIterables.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/AbstractRangeSet.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/Count.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/SortedIterable.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ForwardingSortedMultiset.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ImmutableSortedMultiset.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/RegularImmutableSortedMultiset.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/RangeSet.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/ImmutableSortedMultisetFauxverideShim.java
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jar/com/google/common/collect/FluentIterable.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/primitives/Longs.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/primitives/Chars.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/base/Converter.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/net/PercentEscaper.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/primitives/Bytes.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/escape/UnicodeEscaper.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/base/Stopwatch.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/io/MultiReader.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/escape/Escaper.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/io/FileBackedOutputStream.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/base/CharMatcher.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/primitives/Floats.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/primitives/Ints.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/net/InetAddresses.java
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jar/com/google/common/base/internal/Finalizer.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/primitives/Shorts.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/primitives/Booleans.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/ListenableFutureTask.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/thirdparty/publicsuffix/TrieParser.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/primitives/Doubles.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/SequentialExecutor.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/base/Joiner.java
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 */
```

Found in path(s):

```
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/JdkBackedImmutableMap.java
```

```
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/BaseImmutableMultimap.java
```

```
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/IndexedImmutableSet.java
```

```
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/JdkBackedImmutableBiMap.java
```

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```

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```

* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/FilteredMultimapValues.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/io/CharSequenceReader.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/thirdparty/publicsuffix/PublicSuffixType.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/hash/HashingInputStream.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-jar/com/google/common/base/Utf8.java
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* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/base/Verify.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/base/VerifyException.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/reflect/TypeVisitor.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/collect/AbstractTable.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/eventbus/SubscriberExceptionContext.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/eventbus/SubscriberExceptionHandler.java
* /opt/cola/permits/1292116189_1647933632.95/0/guava-31-1-jre-sources-
jar/com/google/common/util/concurrent/Runnables.java

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1.104 httpcomponents-client 4.5.13

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1.111 log4j-api 2.17.2

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1.112 tre 0.8.0

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1.113 geronimojmsspec 1.1.1

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1.114 lettuce-core 6.1.8.RELEASE

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1.118 pax-utils 1.3.3-r0

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1.119 jakarta-annotation-api 1.3.5

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* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-jar/io/netty/handler/ssl/ApplicationProtocolNegotiator.java

* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-jar/io/netty/handler/ssl/JdkDefaultApplicationProtocolNegotiator.java

```
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ipfilter/UniqueIpFilter.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/ApplicationProtocolConfig.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/JdkSslContext.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/JdkApplicationProtocolNegotiator.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/SniHandler.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/JdkSslClientContext.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ipfilter/RuleBasedIpFilter.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ipfilter/IpFilterRule.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ipfilter/package-info.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/OpenSslDefaultApplicationProtocolNegotiator.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ipfilter/AbstractRemoteAddressFilter.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/OpenSslEngine.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/CipherSuiteConverter.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/SslContext.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/SslUtils.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/ApplicationProtocolUtil.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/PemReader.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/OpenSsl.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/JdkBaseApplicationProtocolNegotiator.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/util/SimpleTrustManagerFactory.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/JdkNpnApplicationProtocolNegotiator.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/SslProvider.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/util/FingerprintTrustManagerFactory.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/OpenSslSessionContext.java
```

```
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/util/ThreadLocalInsecureRandom.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/SupportedCipherSuiteFilter.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/JettyNpnSslEngine.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/OpenSslServerContext.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/OpenSslNpnApplicationProtocolNegotiator.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/traffic/GlobalChannelTrafficCounter.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/util/LazyX509Certificate.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/JettyAlpnSslEngine.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/OpenSslClientContext.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/JdkSslServerContext.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/OpenSslServerSessionContext.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/util/BouncyCastleSelfSignedCertGenerator.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/CipherSuiteFilter.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ipfilter/IpFilterRuleType.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/OpenSslContext.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/OpenSslApplicationProtocolNegotiator.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/JdkSslEngine.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/JdkAlpnApplicationProtocolNegotiator.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ipfilter/IpSubnetFilterRule.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/OpenSslEngineMap.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/util/OpenJdkSelfSignedCertGenerator.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/OpenSslSessionStats.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/Java7SslParametersUtils.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/IdentityCipherSuiteFilter.java
```

```
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
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jar/io/netty/handler/flow/FlowControlHandler.java
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jar/io/netty/handler/ssl/OpenSslCachingX509KeyManagerFactory.java
```

```
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-  
jar/io/netty/handler/ssl/OpenSslKeyMaterial.java
```

```
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-  
jar/io/netty/handler/ssl/OpenSslX509KeyManagerFactory.java
```

```
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-  
jar/io/netty/handler/ssl/OpenSslX509TrustManagerWrapper.java
```

```
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-  
jar/io/netty/handler/ssl/OpenSslPrivateKey.java
```

```
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
```

```
jar/io/netty/handler/ssl/OpenSslSession.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/OpenSslKeyMaterialProvider.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/DefaultOpenSslKeyMaterial.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/SignatureAlgorithmConverter.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/ExtendedOpenSslSession.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/OpenSslCachingKeyMaterialProvider.java
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* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/address/package-info.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/util/KeyManagerFactoryWrapper.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/util/X509KeyManagerWrapper.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/util/TrustManagerFactoryWrapper.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/PseudoRandomFunction.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/util/SimpleKeyManagerFactory.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/SslMasterKeyHandler.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/address/DynamicAddressConnectHandler.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/OpenSslPrivateKeyMethod.java
```

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* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-jar/io/netty/handler/traffic/GlobalChannelTrafficShapingHandler.java
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* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/address/ResolveAddressHandler.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/util/FingerprintTrustManagerFactoryBuilder.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/logging/ByteBufFormat.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/SslClosedEngineException.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ipfilter/IpSubnetFilterRuleComparator.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ipfilter/IpSubnetFilter.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/SslHandshakeTimeoutException.java
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```

Found in path(s):

```
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/ConscryptAlpnSslEngine.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/OptionalSslHandler.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/SslCompletionEvent.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/JdkAlpnSslUtils.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/ocsp/package-info.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/AbstractSniHandler.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
```

```
jar/io/netty/handler/ssl/Conscrypt.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/JdkAlpnSslEngine.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/SniCompletionEvent.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/SslCloseCompletionEvent.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/SslClientHelloHandler.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/ocsp/OcspClientHandler.java
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Found in path(s):

```
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/ClientAuth.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/ApplicationProtocolNames.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/util/LazyJavaxX509Certificate.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/SslContextBuilder.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/OpenSslSessionTicketKey.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/ApplicationProtocolNegotiationHandler.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/ApplicationProtocolAccessor.java
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```
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-  
jar/io/netty/handler/traffic/GlobalTrafficShapingHandler.java  
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-  
jar/io/netty/handler/traffic/package-info.java  
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-  
jar/io/netty/handler/traffic/TrafficCounter.java  
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-  
jar/io/netty/handler/traffic/ChannelTrafficShapingHandler.java
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```
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-  
jar/io/netty/handler/traffic/AbstractTrafficShapingHandler.java
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```
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-  
jar/io/netty/handler pcap/EthernetPacket.java  
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-  
jar/io/netty/handler pcap/PcapWriter.java  
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-  
jar/io/netty/handler pcap/UDPPacket.java  
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-  
jar/io/netty/handler pcap/IPPPacket.java  
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-  
jar/io/netty/handler pcap/TCPPacket.java  
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-  
jar/io/netty/handler pcap/PcapHeaders.java  
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-  
jar/io/netty/handler pcap/package-info.java  
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-  
jar/io/netty/handler pcap/PcapWriteHandler.java
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```
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/OpenSslCertificateCompressionAlgorithm.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/BouncyCastlePemReader.java
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```
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/timeout/IdleStateHandler.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/timeout/WriteTimeoutHandler.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/timeout/ReadTimeoutHandler.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/NotSslRecordException.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/timeout/TimeoutException.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/SslHandler.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/timeout/package-info.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/logging/LogLevel.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/timeout/WriteTimeoutException.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/stream/ChunkedFile.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/logging/LoggingHandler.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
```

```
jar/io/netty/handler/stream/ChunkedInput.java  
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-  
jar/io/netty/handler/stream/ChunkedNioFile.java  
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-  
jar/io/netty/handler/stream/ChunkedNioStream.java  
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-  
jar/io/netty/handler/timeout/ReadTimeoutException.java  
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-  
jar/io/netty/handler/logging/package-info.java  
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-  
jar/io/netty/handler/ssl/package-info.java  
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-  
jar/io/netty/handler/timeout/IdleState.java  
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-  
jar/io/netty/handler/timeout/IdleStateEvent.java  
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-  
jar/io/netty/handler/stream/ChunkedStream.java  
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-  
jar/io/netty/handler/stream/ChunkedWriteHandler.java  
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-  
jar/io/netty/handler/ssl/util/package-info.java  
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-  
jar/io/netty/handler/stream/package-info.java
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* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-  
jar/io/netty/handler/ssl/OpenSslClientSessionCache.java  
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-  
jar/io/netty/handler/ssl/OpenSslSessionCache.java  
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-  
jar/io/netty/handler/ssl/OpenSslSessionId.java
```

```
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/SslProtocols.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/AsyncRunnable.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/SslContextOption.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/Ciphers.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/BouncyCastle.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/BouncyCastleAlpnSslUtils.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/OpenSslAsyncPrivateKeyMethod.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/OpenSslContextOption.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/BouncyCastleAlpnSslEngine.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/GroupsConverter.java
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jar/io/netty/handler/ssl/ReferenceCountedOpenSslEngine.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/Java8SslUtils.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/PemX509Certificate.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/ReferenceCountedOpenSslServerContext.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
```

```
jar/io/netty/handler/ssl/ReferenceCountedOpenSslContext.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/PemPrivateKey.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/ReferenceCountedOpenSslClientContext.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/flush/FlushConsolidationHandler.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/util/X509TrustManagerWrapper.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/DelegatingSslContext.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/OpenSslKeyMaterialManager.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/OpenSslCertificateException.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/PemEncoded.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/flush/package-info.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/flow/package-info.java
* /opt/cola/permits/1534587377_1673951699.798441/0/netty-handler-4-1-86-final-sources-1-
jar/io/netty/handler/ssl/PemValue.java
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INF/maven/io.netty/netty-handler/pom.xml
```

1.123 failureaccess 1.0.1

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```
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jar/com/google/common/util/concurrent/internal/InternalFutures.java
* /opt/cola/permits/1349013147_1655879756.6643403/0/failureaccess-1-0-1-sources-4-
jar/com/google/common/util/concurrent/internal/InternalFutureFailureAccess.java
```

1.124 error_prone_annotations 2.11.0

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* /opt/cola/permits/1272059458_1644966512.83/0/error-prone-annotations-2-11-0-jar/META-INF/maven/com.google.errorprone/error_prone_annotations/pom.xml

1.125 spring-data-relational 2.3.7

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1.142 asm 9.1

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```
jar/org/objectweb/asm/signature/package.html
* /opt/cola/permits/1175494765_1624391692.09/0/asm-9-1-sources-2-jar/org/objectweb/asm/package.html
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* /opt/cola/permits/1175494765_1624391692.09/0/asm-9-1-sources-2-jar/org/objectweb/asm/ModuleWriter.java
* /opt/cola/permits/1175494765_1624391692.09/0/asm-9-1-sources-2-jar/org/objectweb/asm/FieldWriter.java
* /opt/cola/permits/1175494765_1624391692.09/0/asm-9-1-sources-2-jar/org/objectweb/asm/ClassWriter.java
* /opt/cola/permits/1175494765_1624391692.09/0/asm-9-1-sources-2-jar/org/objectweb/asm/SymbolTable.java
* /opt/cola/permits/1175494765_1624391692.09/0/asm-9-1-sources-2-jar/org/objectweb/asm/TypeReference.java
* /opt/cola/permits/1175494765_1624391692.09/0/asm-9-1-sources-2-jar/org/objectweb/asm/Edge.java
* /opt/cola/permits/1175494765_1624391692.09/0/asm-9-1-sources-2-
jar/org/objectweb/asm/RecordComponentVisitor.java
* /opt/cola/permits/1175494765_1624391692.09/0/asm-9-1-sources-2-
jar/org/objectweb/asm/signature/SignedWriter.java
* /opt/cola/permits/1175494765_1624391692.09/0/asm-9-1-sources-2-jar/org/objectweb/asm/FieldVisitor.java
* /opt/cola/permits/1175494765_1624391692.09/0/asm-9-1-sources-2-jar/org/objectweb/asm/Opcodes.java
* /opt/cola/permits/1175494765_1624391692.09/0/asm-9-1-sources-2-jar/org/objectweb/asm/AnnotationWriter.java
* /opt/cola/permits/1175494765_1624391692.09/0/asm-9-1-sources-2-jar/org/objectweb/asm/ClassReader.java
* /opt/cola/permits/1175494765_1624391692.09/0/asm-9-1-sources-2-jar/org/objectweb/asm/Handler.java
* /opt/cola/permits/1175494765_1624391692.09/0/asm-9-1-sources-2-
jar/org/objectweb/asm/RecordComponentWriter.java
* /opt/cola/permits/1175494765_1624391692.09/0/asm-9-1-sources-2-jar/org/objectweb/asm/ByteVector.java
* /opt/cola/permits/1175494765_1624391692.09/0/asm-9-1-sources-2-
jar/org/objectweb/asm/AnnotationVisitor.java
* /opt/cola/permits/1175494765_1624391692.09/0/asm-9-1-sources-2-jar/org/objectweb/asm/TypePath.java
* /opt/cola/permits/1175494765_1624391692.09/0/asm-9-1-sources-2-
jar/org/objectweb/asm/MethodTooLargeException.java
* /opt/cola/permits/1175494765_1624391692.09/0/asm-9-1-sources-2-
jar/org/objectweb/asm/signature/SignedReader.java
* /opt/cola/permits/1175494765_1624391692.09/0/asm-9-1-sources-2-jar/org/objectweb/asm/CurrentFrame.java
* /opt/cola/permits/1175494765_1624391692.09/0/asm-9-1-sources-2-jar/org/objectweb/asm/ConstantDynamic.java
* /opt/cola/permits/1175494765_1624391692.09/0/asm-9-1-sources-2-jar/org/objectweb/asm/MethodVisitor.java
* /opt/cola/permits/1175494765_1624391692.09/0/asm-9-1-sources-2-
jar/org/objectweb/asm/signature/SignedVisitor.java
* /opt/cola/permits/1175494765_1624391692.09/0/asm-9-1-sources-2-
```

```
jar/org/objectweb/asm/ClassTooLargeException.java  
* /opt/cola/permits/1175494765_1624391692.09/0/asm-9-1-sources-2-jar/org/objectweb/asm/ClassVisitor.java  
* /opt/cola/permits/1175494765_1624391692.09/0/asm-9-1-sources-2-jar/org/objectweb/asm/Label.java  
* /opt/cola/permits/1175494765_1624391692.09/0/asm-9-1-sources-2-jar/org/objectweb/asm/Type.java  
* /opt/cola/permits/1175494765_1624391692.09/0/asm-9-1-sources-2-jar/org/objectweb/asm/Constants.java  
* /opt/cola/permits/1175494765_1624391692.09/0/asm-9-1-sources-2-jar/org/objectweb/asm/ModuleVisitor.java  
* /opt/cola/permits/1175494765_1624391692.09/0/asm-9-1-sources-2-jar/org/objectweb/asm/MethodWriter.java  
* /opt/cola/permits/1175494765_1624391692.09/0/asm-9-1-sources-2-jar/org/objectweb/asm/Frame.java  
* /opt/cola/permits/1175494765_1624391692.09/0/asm-9-1-sources-2-jar/org/objectweb/asm/Context.java  
* /opt/cola/permits/1175494765_1624391692.09/0/asm-9-1-sources-2-jar/org/objectweb/asm/Attribute.java  
* /opt/cola/permits/1175494765_1624391692.09/0/asm-9-1-sources-2-jar/org/objectweb/asm/Handle.java  
* /opt/cola/permits/1175494765_1624391692.09/0/asm-9-1-sources-2-jar/org/objectweb/asm/Symbol.java
```

1.143 springdoc-openapi-common 1.6.9

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1.144 spring-security-web 5.6.7

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* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-

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* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
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* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/util/endpoint/DefaultRegionFromEndpointResolver.java
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```

Found in path(s):

```
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/internal/auth/NoOpSignerProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
```

```
jar/com/amazonaws/internal/auth/SignerProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/internal/auth/SignerProviderContext.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/adapters/types/TypeAdapter.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/adapters/types/StringToByteBufferAdapter.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/util/MetadataCache.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/internal/auth/DefaultSignerProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/util/NullResponseMetadataCache.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/adapters/types/StringToInputStreamAdapter.java
```

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Found in path(s):

```
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/http/HttpMethodName.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/transform/LegacyErrorUnmarshaller.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/transform/VoidUnmarshaller.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/auth/SignatureVersion.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/auth/AWSCredentials.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/auth/SigningAlgorithm.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/AmazonClientException.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
```

```
jar/com/amazonaws/transform/SimpleTypeUnmarshallers.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/util/XmlUtils.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/transform/Unmarshaller.java
```

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```
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/internal/http/ErrorParser.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/internal/http/CompositeErrorParser.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/internal/http/IonErrorParser.java
```

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```

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```
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
```

```
jar/com/amazonaws/regions/Regions.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/regions/ServiceAbbreviations.java
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```

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Found in path(s):

```
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/transform/EnhancedJsonErrorUnmarshaller.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/util/ReflectionMethodInvoker.java
```

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```
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/log/InternalLogApi.java
```

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```

Found in path(s):

```
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/internal/config/JsonIndex.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/Protocol.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/internal/config/SignerConfigJsonHelper.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/internal/config/Builder.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/util/ImmutableMapParameter.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/internal/config/SignerConfig.java
```

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```
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/profile/path/cred/CredentialsDefaultLocationProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/internal/AmazonWebServiceRequestAdapter.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/client/ClientHandlerImpl.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/protocol/json/internal/MarshallerRegistry.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/transform/MapUnmarshaller.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/protocol/internal/NullAsEmptyBodyProtocolRequestMarshaller.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/protocol/DefaultValueSupplier.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/protocol/ProtocolMarshaller.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/profile/internal/AwsProfileNameLoader.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/protocol/MarshallLocation.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/regions/InstanceMetadataRegionProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/protocol/json/internal/ValueToStringConverters.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/retry/V2CompatibleBackoffStrategyAdapter.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/http/ExecutionContext.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/retry/v2/RetryOnStatusCodeCondition.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/protocol/json/internal/QueryParamMarshallers.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/retry/V2CompatibleBackoffStrategy.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/regions/AwsRegionProviderChain.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/client/ClientHandler.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/client/builder/AwsAsyncClientBuilder.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/protocol/json/JsonErrorResponseMetadata.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/transform/AbstractErrorUnmarshaller.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/protocol/json/JsonContentTypeResolver.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/retry/v2/RetryPolicyContext.java
```

```
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/protocol/json/JsonClientMetadata.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/http/AwsErrorResponseHandler.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/presign/PresignerParams.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/client/builder/AwsSyncClientBuilder.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/protocol/MarshallingInfo.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/http/SdkHttpMetadata.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/profile/path/AwsProfileFileLocationProviderChain.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/profile/path/cred/CredentialsEnvVarOverrideLocationProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/util/TimingInfoFullSupport.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/profile/path/config/ConfigEnvVarOverrideLocationProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/profile/internal/ProfileKeyConstants.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/retry/v2/SimpleRetryPolicy.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/retry/PredefinedBackoffStrategies.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/protocol/StructuredPojo.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/SdkClientException.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/http/response/AwsResponseHandlerAdapter.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/protocol/OperationInfo.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/internal/StaticCredentialsProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/retry/RetryPolicyAdapter.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/transform/ListUnmarshaller.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/util/TimingInfo.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/protocol/json/internal/HeaderMarshallers.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/protocol/json/internal/SimpleTypeJsonMarshallers.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/SdkBaseException.java
```

```
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/protocol/json/internal/JsonMarshaller.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/util/StringInputStream.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/ClientConfigurationFactory.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/SdkClock.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/protocol/Protocol.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/client/AwsAsyncClientParams.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/internal/SdkFunction.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/AWSStaticCredentialsProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/retry/v2/RetryCondition.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/client/builder/AwsClientBuilder.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/util/TimingInfoUnmodifiable.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/protocol/json/internal/JsonMarshallerContext.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/retry/v2/RetryOnExceptionsCondition.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/regions/DefaultAwsRegionProviderChain.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/protocol/json/JsonProtocolMarshallerBuilder.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/protocol/MarshallingType.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/retry/v2/AndRetryCondition.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/RequestConfig.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/retry/v2/FixedDelayBackoffStrategy.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/profile/path/cred/CredentialsLegacyConfigLocationProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/http/timers/client/SdkInterruptedException.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/protocol/json/internal/SimpleTypePathMarshallers.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/profile/internal/ProfileAssumeRoleCredentialsProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/http/request/HttpRequestFactory.java
```

```
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/profile/internal/ProfileStaticCredentialsProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/client/builder/ExecutorFactory.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/protocol/json/JsonErrorShapeMetadata.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/protocol/json/SdkJsonGenerator.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/AmazonWebServiceResult.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/transform/PathMarshallers.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/retry/v2/BackoffStrategy.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/util/XMLWriter.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/regions/AwsEnvVarOverrideRegionProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/protocol/json/SdkStructuredJsonFactoryImpl.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/protocol/DefaultMarshallingType.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/client/ClientHandlerParams.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/protocol/json/JsonContent.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/presign/PresignerFacade.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/retry/v2/MaxNumberOfRetriesCondition.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/StaticSignerProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/AWSRefreshableSessionCredentials.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/client/ClientExecutionParams.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/profile/path/AwsProfileFileLocationProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/profile/path/config/SharedConfigDefaultLocationProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/retry/v2/RetryPolicy.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/retry/v2/OrRetryCondition.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/client/AwsSyncClientParams.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/protocol/ProtocolRequestMarshaller.java
```

```
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/regions/AwsProfileRegionProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/regions/AwsSystemPropertyRegionProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/regions/EndpointToRegion.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/profile/path/AwsDirectoryBasePathProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/profile/internal/AllProfiles.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/profile/internal/BasicProfile.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/protocol/json/SdkJsonMarshallerFactory.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/protocol/json/JsonContentTypeResolverImpl.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/protocol/json/JsonOperationMetadata.java
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jar/com/amazonaws/util/HostnameValidator.java
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 */
/***
 * Interface for providing AWS credentials. Implementations are free to use any
 * strategy for providing AWS credentials, such as simply providing static
 * credentials that don't change, or more complicated implementations, such as
 * integrating with existing key management systems.
 */

```

Found in path(s):

```
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/auth/AWSCredentialsProvider.java
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jar/com/amazonaws/handlers/AsyncHandler.java
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jar/com/amazonaws/jmx/spi/SdkMBeanRegistry.java
```

```
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/metrics/MetricAdminMBean.java
```

```
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/util/json/Jackson.java
```

```
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/jmx/spi/JmxInfoProvider.java
```

```
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/metrics/MetricAdmin.java
```

```
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/RequestClientOptions.java
```

```
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/util/ServiceClientHolderInputStream.java
```

```
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/auth/AWSSessionCredentials.java
```

```
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/auth/AWSSessionCredentialsProvider.java
```

```
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/auth/BasicSessionCredentials.java
```

```
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/jmx/JmxInfoProviderSupport.java
```

```
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/util/ClassLoaderHelper.java
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* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/annotation/Immutable.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/annotation/Beta.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/annotation/SdkInternalApi.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/annotation/ThreadSafe.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/annotation/GuardedBy.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/annotation/SdkProtectedApi.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/annotation/NotThreadSafe.java
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jar/com/amazonaws/http/timers/package-info.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/http/apache/client/impl/ApacheConnectionManagerFactory.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/protocol/json/SdkStructuredJsonFactory.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/util/CapacityManager.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/handlers/IRequestHandler2.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/internal/DateTimeJsonSerializer.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/util/FakeIOException.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/auth/CanHandleNullCredentials.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/http/apache/client/impl/SdkHttpClient.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/http/conn/ssl/ShouldClearSslSessionPredicate.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/http/apache/client/impl/ApacheHttpClientFactory.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/http/apache/client/impl/ConnectionManagerAwareHttpClient.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/log/InternalLogFactory.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/util/IdempotentUtils.java
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jar/com/amazonaws/http/conn/ssl/TLSProtocol.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/http/conn/ssl/SdkTLSSocketFactory.java
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jar/com/amazonaws/util/URLEncodedUtils.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/util/BasicNameValuePair.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/util/NameValuePair.java
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jar/com/amazonaws/internal/SdkSSLContext.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/annotation/package-info.java
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 * Interface for providing AWS region information. Implementations are free to use any strategy for
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*/
```

Found in path(s):

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jar/com/amazonaws/util/JodaTime.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/util/StringMapBuilder.java
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jar/com/amazonaws/arn/Arn.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-  
jar/com/amazonaws/auth/policy/internal/JsonPolicyWriter.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-  
jar/com/amazonaws/util/CountingInputStream.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-  
jar/com/amazonaws/auth/NoOpSigner.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-  
jar/com/amazonaws/auth/policy/package-info.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-  
jar/com/amazonaws/waiters/PollingStrategy.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-  
jar/com/amazonaws/auth/policy/Policy.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-  
jar/com/amazonaws/endpointdiscovery/EndpointDiscoveryProvider.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-  
jar/com/amazonaws/util/StringUtils.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-  
jar/com/amazonaws/auth/PropertiesCredentials.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-  
jar/com/amazonaws/monitoring/internal/ClientSideMonitoringRequestHandler.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-  
jar/com/amazonaws/auth/policy/Principal.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-  
jar/com/amazonaws/ClientConfiguration.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-  
jar/com/amazonaws/transform/VoidStaxUnmarshaller.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-  
jar/com/amazonaws/auth/policy/conditions/StringCondition.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-  
jar/com/amazonaws/event/ProgressListener.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-  
jar/com/amazonaws/monitoring/internal/AsynchronousAgentDispatcher.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-  
jar/com/amazonaws/waiters/WaiterState.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-  
jar/com/amazonaws/monitoring/CsmConfiguration.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-  
jar/com/amazonaws/auth/policy/conditions/ArnCondition.java
```

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* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/http/protocol/SdkHttpRequestExecutor.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/metrics/MetricFilterInputStream.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/waiters/HttpFailureStatusAcceptor.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/endpointdiscovery/SystemPropertyEndpointDiscoveryProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/ResponseMetadata.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/transform/StandardErrorUnmarshaller.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/internal/DefaultServiceEndpointBuilder.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/handlers/RequestHandler2.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/SignerParams.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/transform/JsonUnmarshallerContext.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/arn/AwsResource.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/policy/actions/package-info.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/monitoring/CsmConfigurationProviderChain.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/monitoring/MonitoringEvent.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/BasicAWSCredentials.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/cache/CacheLoader.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/AmazonWebServiceRequest.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/waiters/PollingStrategyContext.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/endpointdiscovery/AwsProfileEndpointDiscoveryProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/monitoring/SystemPropertyCsmConfigurationProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/http/TlsKeyManagersProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/arn/ArnConverter.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/waiters/HttpSuccessStatusAcceptor.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/http/AmazonHttpClient.java
```

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* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/internal/config/InternalConfig.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/WebIdentityTokenCredentialsProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/policy/resources/package-info.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/handlers/AbstractRequestHandler.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/monitoring/ProfileCsmConfigurationProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/retry/internal/AuthRetryParameters.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/retry/PredefinedRetryPolicies.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/waiters/MaxAttemptsRetryStrategy.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/retry/RetryPolicy.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/metrics/internal/ServiceMetricTypeGuesser.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/metrics/ServiceLatencyProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/profile/internal/BasicProfileConfigFileLoader.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/util/TimestampFormat.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/util/CRC32ChecksumCalculatingInputStream.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/metrics/ServiceMetricCollector.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/monitoring/DefaultCsmConfigurationProviderChain.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/event/ProgressEventType.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/waiters/Waiter.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/waiters/WaiterBuilder.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/transform/MapEntry.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/policy/Condition.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/internal/config/EndpointDiscoveryConfig.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/transform/Marshaller.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/monitoring/internal/AgentMonitoringListener.java
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* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/waiters/CompositeAcceptor.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/metrics/MetricType.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/util/VersionInfoUtils.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/handlers/CredentialsRequestHandler.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/internal/ServiceEndpointBuilder.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/metrics/package-info.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/AbstractAWSigner.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/http/HttpResponse.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/metrics/RequestMetricCollector.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/waiters/WaiterAcceptor.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/AmazonServiceException.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/AWS4UnsignedPayloadSigner.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/endpointdiscovery/Constants.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/DefaultRequest.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/policy/conditions/package-info.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/event/ProgressEvent.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/http/impl/client/SdkHttpRequestRetryHandler.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/metrics/ByteThroughputProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/SDKGlobalConfiguration.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/util/NamespaceRemovingInputStream.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/internal/config/InternalConfigJsonHelper.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/monitoring/MonitoringListener.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/internal/SdkPredicate.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/internal/config/HttpClientConfig.java
```

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* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/util/XpathUtils.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/Signer.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/endpointdiscovery/EnvironmentVariableEndpointDiscoveryProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/transform/SimpleTypeJsonUnmarshallers.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/monitoring/StaticCsmConfigurationProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/http/apache/utils/HttpContextUtils.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/metrics/MetricInputStreamEntity.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/policy/conditions/NumericCondition.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/policy/Resource.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/policy/conditions/DateCondition.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/internal/config/HostRegexToRegionMapping.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/AnonymousAWSCredentials.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/http/NoneTlsKeyManagersProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/endpointdiscovery/EndpointDiscoveryProviderChain.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/ProxyAuthenticationMethod.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/util/ResponseMetadataCache.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/metrics/ByteThroughputHelper.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/monitoring/ApiMonitoringEvent.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/policy/conditions/BooleanCondition.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/waiters/AcceptorPathMatcher.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/transform/SimpleTypeStaxUnmarshallers.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/util/AWSServiceMetrics.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/waiters/WaiterParameters.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/http/conn/ClientConnectionRequestFactory.java
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* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/client/builder/AdvancedConfig.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/util/CollectionUtils.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/monitoring/ApiCallAttemptMonitoringEvent.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/PropertiesFileCredentialsProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/handlers/HandlerAfterAttemptContext.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/internal/config/HostRegexToRegionMappingJsonHelper.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/endpointdiscovery/EndpointDiscoveryIdentifiersRefreshCache.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/SignerTypeAware.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/Presigner.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/waiters/NoOpWaiterHandler.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/metrics/ServiceMetricType.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/http/RepeatableInputStreamRequestEntity.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/endpointdiscovery/EndpointDiscoveryRefreshCache.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/transform/JsonUnmarshallerContextImpl.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/metrics/SimpleServiceMetricType.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/waiters/FixedDelayStrategy.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/internal/config/HttpClientConfigJsonHelper.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/handlers/RequestHandler2Adaptor.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/monitoring/CsmConfigurationProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/transform/VoidJsonUnmarshaller.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/policy/PolicyReaderOptions.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/policy/internal/JsonPolicyReader.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/transform/StaxUnmarshallerContext.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/handlers/HandlerChainFactory.java
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* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/http/conn/ClientConnectionManagerFactory.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/waiters/WaiterTimedOutException.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/retry/internal/MaxAttemptsResolver.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/cache/Cache.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/internal/IdentityEndpointBuilder.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/metrics/SimpleMetricType.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/metrics/AwsSdkMetrics.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/handlers/HandlerBeforeAttemptContext.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/Request.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/cache/EndpointDiscoveryCacheLoader.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/cache/KeyConverter.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/waiters/WaiterUnrecoverableException.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/monitoring/EnvironmentVariableCsmConfigurationProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/policy/internal/JsonDocumentFields.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/event/ProgressListenerChain.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/metrics/RequestMetricType.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/monitoring/ApiCallMonitoringEvent.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/policy/Statement.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/util/AwsClientSideMonitoringMetrics.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/util/AWSRequestMetricsFullSupport.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/http/apache/request/impl/HttpGetWithBody.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/http/StaxResponseHandler.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/AmazonWebServiceClient.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/protocol/json/StructuredJsonMarshaller.java
```

```
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/arn/ArnResource.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/policy/Action.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/retry/internal/RetryModeResolver.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/ServiceNameFactory.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/retry/internal/AuthErrorRetryStrategy.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/http/AbstractFileTlsKeyManagersProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/QueryStringSigner.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/endpointdiscovery/DaemonThreadFactory.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/waiters/SdkFunction.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/http/SystemPropertyTlsKeyManagersProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/policy/conditions/ConditionFactory.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/HttpMethod.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/metrics/MetricCollector.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/metrics/ThroughputMetricType.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/metrics/SimpleThroughputMetricType.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/http/DefaultErrorResponseHandler.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/SignerFactory.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/http/FileStoreTlsKeyManagersProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/http/conn/SdkPlainSocketFactory.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/util/AWSRequestMetrics.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/util/RuntimeHttpUtils.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/http/impl/client/HttpRequestNoRetryHandler.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/waiters/WaiterExecution.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/endpointdiscovery/DefaultEndpointDiscoveryProviderChain.java
```

```
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/HttpClientConfig.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/waiters/WaiterImpl.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/AmazonWebServiceResponse.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/AWS3Signer.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/handlers/RequestHandler.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/Response.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/retry/RetryUtils.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/http/conn/Wrapped.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/http/HttpResponseHandler.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/policy/conditions/IpAddressCondition.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/waiters/WaiterExecutionBuilder.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/waiters/WaiterHandler.java
```

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```
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/internal/EC2ResourceFetcher.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/ContainerCredentialsFetcher.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/retry/internal/CredentialsEndpointRetryPolicy.java
```

```
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/retry/RetryMode.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/BaseCredentialsFetcher.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/EC2ContainerCredentialsProviderWrapper.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/InstanceMetadataServiceCredentialsFetcher.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/EndpointPrefixAwareSigner.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/ContainerCredentialsRetryPolicy.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/internal/InstanceMetadataServiceResourceFetcher.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/internal/ConnectionUtils.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/ContainerCredentialsProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/internal/CredentialsEndpointProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/retry/internal/CredentialsEndpointRetryParameters.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/internal	TokenNameBucket.java
```

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* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/profile/internal/securitytoken/STSProfileCredentialsServiceLoader.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/event/ProgressTracker.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/event/DeliveryMode.java
```

```
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/event/SyncProgressListener.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/ProcessCredentialsProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/internal/Releasable.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/profile/ProfilesConfigFileWriter.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/profile/package-info.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/util/UnreliableFilterInputStream.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/internal/AWS4SignerUtils.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/profile/internal/ProfileProcessCredentialsProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/internal/SdkSSLSocket.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/internal/SdkInputStream.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/util/Platform.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/event/ProgressEventFilter.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/event/RequestProgressInputStream.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/event/ResponseProgressInputStream.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/event/request/ProgressSupport.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/profile/internal/securitytoken/STSProfileCredentialsServiceProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/internal/DelegateSSLSocket.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/http/UnreliableTestConfig.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/profile/internal/BasicProfileConfigLoader.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/profile/internal/Profile.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/internal/BoundedLinkedHashMap.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/profile/internal/securitytoken/RoleInfo.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/internal/FIFOCache.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/internal/SignerConstants.java
```

```
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/internal/AWS4SignerRequestParams.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/internal/SignerKey.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/event/ProgressInputStream.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/profile/ProfileCredentialsProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/event/SDKProgressPublisher.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/event/request/Progress.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/internal/SdkSocket.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/util/LengthCheckInputStream.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/profile/ProfilesConfigFile.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/profile/internal/AbstractProfilesConfigFileScanner.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/profile/internal/securitytoken/ProfileCredentialsService.java
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* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/retry/ClockSkewAdjuster.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/internal/SdkRequestRetryHeaderProvider.java
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```
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/http/JsonResponseHandler.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/protocol/json/SdkJsonProtocolFactory.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/protocol/json/StructuredJsonGenerator.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/protocol/json/SdkStructuredCborFactory.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/protocol/json/SdkCborGenerator.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/protocol/json/SdkStructuredPlainJsonFactory.java
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* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/jmx/MBeans.java
```

```
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/util/Base64Codec.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/util/Base64.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/util/AbstractBase32Codec.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/util/Throwables.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/ResetException.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/regions/RegionMetadataParser.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/util/EncodingSchemeEnum.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/util/Base16Codec.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/regions/RegionMetadata.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/internal/ListWithAutoConstructFlag.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/util/SdkRuntime.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/util/EncodingScheme.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/internal/MetricAware.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/internal/SdkDigestInputStream.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/AbortedException.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/util/Base16.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/regions/RegionUtils.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/internal/SdkFilterOutputStream.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/AWS4Signer.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/ServiceAwareSigner.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/util/Codec.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/util/EC2MetadataUtils.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/util/CodecUtils.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/jmx/SdkMBeanRegistrySupport.java
```

```
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/regions/Region.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/util/IOUtils.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/util/Base32Codec.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/internal/MetricsInputStream.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/util/Base32.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/auth/RegionAwareSigner.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/internal/SdkBufferedInputStream.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/util/HttpClientWrappingInputStream.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/internal/SdkFilterInputStream.java
```

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* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/util/BinaryUtils.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/util/Classes.java
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```
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jar/com/amazonaws/util/Md5Utils.java
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jar/com/amazonaws/protocol/json/internal/JsonProtocolMarshaller.java
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```
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-  
jar/com/amazonaws/http/client/HttpClientFactory.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-  
jar/com/amazonaws/http/client/ConnectionManagerFactory.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-  
jar/com/amazonaws/internal/SdkSSLMetricsSocket.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-  
jar/com/amazonaws/internal/http/JsonErrorMessageParser.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-  
jar/com/amazonaws/http/JsonErrorResponseHandler.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-  
jar/com/amazonaws/http/timers/request/HttpRequestAbortTaskImpl.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-  
jar/com/amazonaws/http/timers/client/NoOpClientExecutionAbortTrackerTask.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-  
jar/com/amazonaws/log/JulLogFactory.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-  
jar/com/amazonaws/ReadLimitInfo.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-  
jar/com/amazonaws/SdkThreadLocals.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-  
jar/com/amazonaws/util/JavaVersionParser.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-  
jar/com/amazonaws/http/timers/client/ClientExecutionTimer.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-  
jar/com/amazonaws/http/timers/request/HttpRequestAbortTaskTracker.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-  
jar/com/amazonaws/http/exception/HttpRequestTimeoutException.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-  
jar/com/amazonaws/http/timers/client/ClientExecutionAbortTaskImpl.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-  
jar/com/amazonaws/http/DelegatingDnsResolver.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-  
jar/com/amazonaws/http/settings/HttpClientSettings.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-  
jar/com/amazonaws/internal/SdkInternalList.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-  
jar/com/amazonaws/util/NumberUtils.java
```

```
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/http/timers/client/ClientExecutionAbortTask.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/http/timers/request/HttpRequestTimer.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/http/timers/TimeoutThreadPoolBuilder.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/http/timers/client/ClientExecutionAbortTrackerTask.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/SDKGlobalTime.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/http/conn/ssl/MasterSecretValidators.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/log/InternalLog.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/util/Base16Lower.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/http/timers/client/ClientExecutionTimeoutException.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/util/ComparableUtils.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/log/CommonsLog.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/http/timers/request/HttpRequestAbortTask.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/http/timers/request/HttpRequestAbortTaskTrackerImpl.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/handlers/HandlerContextKey.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/http/timers/client/ClientExecutionAbortTrackerTaskImpl.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/SignableRequest.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/internal/SdkMetricsSocket.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/internal/SdkThreadLocalsRegistry.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/http/timers/request/NoOpHttpRequestAbortTaskTracker.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/util/UriResourcePathUtils.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/http/conn/SdkConnectionKeepAliveStrategy.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/internal/http/JsonErrorCodeParser.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/log/JulLog.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/internal/DelegateSocket.java
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* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/http/conn/ssl/privileged/PrivilegedMasterSecretValidator.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/util/SdkHttpUtils.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/PredefinedClientConfigurations.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/DnsResolver.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/internal/DelegateInputStream.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/internal/SdkInternalMap.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/transform/JsonErrorUnmarshaller.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/log/CommonsLogFactory.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/util/ValidationUtils.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/internal/SdkIOUtils.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/handlers/StackedRequestHandler.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/SystemDefaultDnsResolver.java
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* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/http/apache/client/impl/CRC32ChecksumResponseInterceptor.java  
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/partitions/model/Region.java
```

```
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/partitions/model/Partition.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/protocol/json/SdkStructuredIonFactory.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/regions/InMemoryRegionsProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/regions/RegionImpl.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/http/apache/SdkProxyRoutePlanner.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/regions/LegacyRegionXmlMetadataBuilder.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/protocol/json/SdkIonGenerator.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/partitions/model/Endpoint.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/partitions/model/Service.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/partitions/PartitionMetadataProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/transform/SimpleTypeCborUnmarshallers.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/partitions/model/CredentialScope.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/regions/InMemoryRegionImpl.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/regions/LegacyRegionXmlLoadUtils.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/regions/AbstractRegionMetadataProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/regions/RegionMetadataFactory.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/partitions/PartitionRegionImpl.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/partitions/PartitionsLoader.java
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jar/com/amazonaws/waiters/WaiterExecutorServiceFactory.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/util/NamedDefaultThreadFactory.java
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* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/ImmutableRequest.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/auth/SignerAsRequestSigner.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/auth/RequestSigner.java
```

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```
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/internal/ResettableInputStream.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/internal/ReleasableInputStream.java
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* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/protocol/json/IonFactory.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/protocol/json/IonParser.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/transform/SimpleTypeIonUnmarshallers.java
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jar/com/amazonaws/util/AwsHostNameUtils.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/auth/SystemPropertiesCredentialsProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/HandlerContextAware.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/internal/CRC32MismatchException.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/auth/InstanceProfileCredentialsProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/auth/EnvironmentVariableCredentialsProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/http/IdleConnectionReaper.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/auth/ClasspathPropertiesFileCredentialsProvider.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/internal/EC2MetadataClient.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/internal/DynamoDBBackoffStrategy.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/internal/CustomBackoffStrategy.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/auth/AWSCredentialsProviderChain.java
* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-
jar/com/amazonaws/auth/DefaultAWSCredentialsProviderChain.java
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Found in path(s):

* /opt/cola/permits/1207875544_1632817557.81/0/aws-java-sdk-core-1-12-57-sources-jar/com/amazonaws/util/CredentialUtils.java

1.147 jjwt 0.9.1

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Found in path(s):

* /opt/cola/permits/1227291717_1636733529.67/0/jjwt-0-9-1-jar/META-INF/maven/io.jsonwebtoken/jjwt/pom.xml

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Manifest-Version: 1.0

Export-Package: io.jsonwebtoken;version="0.9.1",io.jsonwebtoken.lang;version="0.9.1"

Implementation-Title: JSON Web Token support for the JVM

Implementation-Version: 0.9.1

Built-By: lhazlewood

Tool: Bnd-3.3.0.201609221906

Bundle-Name: JSON Web Token support for the JVM

Created-By: Apache Maven Bundle Plugin

Implementation-URL: https://github.com/jwtk/jjwt

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

Implementation-Vendor-Id: io.jsonwebtoken

Bundle-Version: 0.9.1

Build-Jdk: 1.7.0_80

Bnd-LastModified: 1530831044984
Bundle-ManifestVersion: 2
Specification-Title: JSON Web Token support for the JVM
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0
Bundle-Description: Sonatype helps open source projects to set up Maven repositories on https://oss.sonatype.org/
Bundle-SymbolicName: io.jsonwebtoken.jwt
Import-Package: android.util;resolution:=optional,org.bouncycastle.jce;resolution:=optional;version="1.56,2]",org.bouncycastle.jce.spec;resolution:=optional;version="1.56,2]",com.fasterxml.jackson.core;version="2.9,3]",com.fasterxml.jackson.databind;version="2.9,3]",io.jsonwebtoken.lang,javax.crypto,javax.crypto.spec,javax.xml.bind
Specification-Version: 0.9.1

Found in path(s):

* /opt/cola/permits/1227291717_1636733529.67/0/jwt-0-9-1-jar/META-INF/MANIFEST.MF

1.148 spring-framework 5.3.23

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1.149 metrics-spi 2.17.217

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1.150 json-java 20220924

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1.151 netty-transport-native-epoll 4.1.86.Final

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```
jar/netty_epoll_linuxsocket.c
* /opt/cola/permits/1534815977_1673960720.7817981/0/netty-transport-native-epoll-4-1-86-final-sources-1-
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* /opt/cola/permits/1534815977_1673960720.7817981/0/netty-transport-native-epoll-4-1-86-final-sources-1-
jar/META-INF/maven/io.netty/netty-transport-native-epoll/pom.xml
```

1.152 springdoc-openapi-data-rest 1.6.9

1.152.1 Available under license :

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1.153 jackson-annotations 2.13.4

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1.154 sdk-core 2.18.41

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1.155 aws-java-sdk-kms 1.12.57

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 */
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Found in path(s):

* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-jar/com/amazonaws/auth/policy/actions/KMSActions.java

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 */
/***
 * <p>
 * Identifies the customer master key (CMK) for the grant. The grant gives principals permission to use this CMK.
 * </p>
 * <p>
 * Specify the key ID or key ARN of the CMK. To specify a CMK in a different AWS account, you must use the
 */
```

key ARN.

```
* </p>
* <p>
* For example:
* </p>
* <ul>
* <li>
* <p>
* Key ID: <code>1234abcd-12ab-34cd-56ef-1234567890ab</code>
* </p>
* </li>
* <li>
* <p>
* Key ARN: <code>arn:aws:kms:us-east-2:111122223333:key/1234abcd-12ab-34cd-56ef-1234567890ab</code>
* </p>
* </li>
* </ul>
* <p>
* To get the key ID and key ARN for a CMK, use <a>ListKeys</a> or <a>DescribeKey</a>.
* </p>
*/
/***
* <p>
* Identifies the customer master key (CMK) for the grant. The grant gives principals permission to use this CMK.
* </p>
* <p>
* Specify the key ID or key ARN of the CMK. To specify a CMK in a different AWS account, you must use the
key ARN.
* </p>
* <p>
* For example:
* </p>
* <ul>
* <li>
* <p>
* Key ID: <code>1234abcd-12ab-34cd-56ef-1234567890ab</code>
* </p>
* </li>
* <li>
* <p>
* Key ARN: <code>arn:aws:kms:us-east-2:111122223333:key/1234abcd-12ab-34cd-56ef-1234567890ab</code>
* </p>
* </li>
* </ul>
* <p>
* To get the key ID and key ARN for a CMK, use <a>ListKeys</a> or <a>DescribeKey</a>.
* </p>
*
```

```
* @param keyId
*   Identifies the customer master key (CMK) for the grant. The grant gives principals permission to use this
*   CMK.</p>
*   <p>
*   Specify the key ID or key ARN of the CMK. To specify a CMK in a different AWS account, you must use
the
*   key ARN.
*   </p>
*   <p>
*   For example:
*   </p>
*   <ul>
*   <li>
*   <p>
*   Key ID: <code>1234abcd-12ab-34cd-56ef-1234567890ab</code>
*   </p>
*   </li>
*   <li>
*   <p>
*   Key ARN: <code>arn:aws:kms:us-east-2:111122223333:key/1234abcd-12ab-34cd-56ef-
1234567890ab</code>
*   </p>
*   </li>
*   </ul>
*   <p>
*   To get the key ID and key ARN for a CMK, use <a>ListKeys</a> or <a>DescribeKey</a>.
*/
/***
* <p>
* Identifies the customer master key (CMK) for the grant. The grant gives principals permission to use this CMK.
* </p>
* <p>
* Specify the key ID or key ARN of the CMK. To specify a CMK in a different AWS account, you must use the
key ARN.
* </p>
* <p>
* For example:
* </p>
* <ul>
* <li>
* <p>
* Key ID: <code>1234abcd-12ab-34cd-56ef-1234567890ab</code>
* </p>
* </li>
* <li>
* <p>
* Key ARN: <code>arn:aws:kms:us-east-2:111122223333:key/1234abcd-12ab-34cd-56ef-1234567890ab</code>
* </p>
```

```

* </li>
* </ul>
* <p>
* To get the key ID and key ARN for a CMK, use <a>ListKeys</a> or <a>DescribeKey</a>.
* </p>
*
* @return Identifies the customer master key (CMK) for the grant. The grant gives principals permission to use
this
*   CMK.</p>
*   <p>
*   Specify the key ID or key ARN of the CMK. To specify a CMK in a different AWS account, you must use
the
*   key ARN.
*   </p>
*   <p>
*   For example:
*   </p>
*   <ul>
*   <li>
*   <p>
*   Key ID: <code>1234abcd-12ab-34cd-56ef-1234567890ab</code>
*   </p>
*   </li>
*   <li>
*   <p>
*   Key ARN: <code>arn:aws:kms:us-east-2:111122223333:key/1234abcd-12ab-34cd-56ef-
1234567890ab</code>
*   </p>
*   </li>
*   </ul>
*   <p>
*   To get the key ID and key ARN for a CMK, use <a>ListKeys</a> or <a>DescribeKey</a>.
*/

```

Found in path(s):

```
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/CreateGrantRequest.java
```

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Found in path(s):

```
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/transform/GenerateDataKeyPairRequestProtocolMarshaller.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/transform/GenerateDataKeyWithoutPlaintextRequestMarshaller.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/transform/DisableKeyRotationResultJsonUnmarshaller.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/ListRetirableGrantsRequest.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/EncryptionAlgorithmSpec.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/ListGrantsRequest.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/transform/MultiRegionKeyMarshaller.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/ListResourceTagsRequest.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/MultiRegionKeyType.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/transform/DecryptRequestProtocolMarshaller.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/transform/CreateKeyRequestMarshaller.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/transform/ListKeysRequestProtocolMarshaller.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/transform/CustomKeyStoreInvalidStateExceptionUnmarshaller.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/InvalidGrantTokenException.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/transform/UntagResourceResultJsonUnmarshaller.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/transform/UpdateCustomKeyStoreResultJsonUnmarshaller.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/GenerateDataKeyPairWithoutPlaintextRequest.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/SigningAlgorithmSpec.java
```

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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/transform/CancelKeyDeletionRequestProtocolMarshaller.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/UpdatePrimaryRegionResult.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/transform/ListKeysRequestMarshaller.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/transform/CloudHsmClusterInvalidConfigurationExceptionUnmarshaller.j
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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
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```

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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/transform/UpdateAliasRequestProtocolMarshaller.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/transform/ReEncryptRequestProtocolMarshaller.java
```

```
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/transform/CreateAliasResultJsonUnmarshaller.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/transform/ScheduleKeyDeletionRequestProtocolMarshaller.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/transform/UpdatePrimaryRegionResultJsonUnmarshaller.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/GenerateDataKeyWithoutPlaintextResult.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/ConnectCustomKeyStoreRequest.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/AlreadyExistsException.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/ReplicateKeyRequest.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/transform/TagResourceResultJsonUnmarshaller.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/RetireGrantResult.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/ExpiredImportTokenException.java
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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/transform/KeyMetadataMarshaller.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/transform/EncryptRequestMarshaller.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/AWSKMS.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/DescribeKeyRequest.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/transform/ConnectCustomKeyStoreRequestProtocolMarshaller.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/DescribeCustomKeyStoresResult.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/RevokeGrantRequestProtocolMarshaller.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/transform/SignRequestProtocolMarshaller.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/GetKeyRotationStatusResultJsonUnmarshaller.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/GenerateDataKeyResult.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/UnsupportedOperationException.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/PutKeyPolicyResult.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/transform/DisconnectCustomKeyStoreResultJsonUnmarshaller.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/transform/KeyMetadataJsonUnmarshaller.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/CancelKeyDeletionRequest.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
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* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
jar/com/amazonaws/services/kms/model/DeleteAliasResult.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-
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```

```
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-jar/com/amazonaws/services/kms/model/KMSInternalException.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-jar/com/amazonaws/services/kms/model/transform/TagExceptionUnmarshaller.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-jar/com/amazonaws/services/kms/model/transform/ReplicateKeyRequestMarshaller.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-jar/com/amazonaws/services/kms/model/EncryptResult.java
* /opt/cola/permits/1261985874_1643339980.82/0/aws-java-sdk-kms-1-12-57-sources-jar/com/amazonaws/services/kms/model/transform/CancelKeyDeletionResultJsonUnmarshaller.java
```

1.156 netty 4.1.86.Final

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* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-jar/io/netty/util/internal/ThreadLocalRandom.java
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```
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/IndexedExceptionUtil.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/SpscArrayQueue.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/BaseSpscLinkedArrayQueue.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/AtomicReferenceArrayQueue.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/util/UnsafeAccess.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
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* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
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* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
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* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/MessagePassingQueueUtil.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/MpmcAtomicArrayQueue.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
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* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
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* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
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* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/MpmcUnboundedXaddArrayQueue.java
```

```
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jar/io/netty/util/internal/shaded/org/jctools/queues/LinkedQueueNode.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
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* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/MpscLinkedQueue.java
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* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
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* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
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* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
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* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/MpscAtomicArrayQueue.java
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* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-jar/io/netty/util/internal/shaded/org/jctools/util/InternalAPI.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/spec/ConcurrentQueueSpec.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-jar/io/netty/util/internal/shaded/org/jctools/maps/NonBlockingHashSet.java
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* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/BaseMpscLinkedArrayQueue.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/BaseLinkedQueue.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-jar/io/netty/util/internal/shaded/org/jctools/maps/AbstractEntry.java

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```

Found in path(s):

```
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/logging/MessageFormatter.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/logging/FormattingTuple.java
```

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

<artifactId>jctools-core</artifactId>
<groupId>org.jctools</groupId>
<version>3.1.0</version>
<name>Java Concurrency Tools Core Library</name>
<description>Java Concurrency Tools Core Library</description>
<packaging>bundle</packaging>

<dependencies>
<dependency>
<groupId>org.hamcrest</groupId>
<artifactId>hamcrest-all</artifactId>
<version>${hamcrest.version}</version>
<scope>test</scope>
</dependency>

<dependency>
<groupId>junit</groupId>
<artifactId>junit</artifactId>
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<scope>test</scope>
</dependency>

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<groupId>com.google.guava</groupId>
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<version>${guava-testlib.version}</version>
<scope>test</scope>
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</dependencies>
<build>
<plugins>
<plugin>
<groupId>org.apache.maven.plugins</groupId>
<artifactId>maven-surefire-plugin</artifactId>
<version>3.0.0-M3</version>
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<includes>
<include>*</include>
</includes>
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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>
</plugin>
<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-source-plugin</artifactId>
  <version>3.2.0</version>
  <executions>
    <execution>
      <id>attach-sources</id>
      <phase>verify</phase>
      <goals>
        <goal>jar-no-fork</goal>
      </goals>
    </execution>
  </executions>
</plugin>
<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-javadoc-plugin</artifactId>
  <version>3.1.1</version>
  <configuration>
    <additionalOptions>
      <additionalOption>-Xdoclint:none</additionalOption>
    </additionalOptions>
    <source>8</source>
  </configuration>
  <executions>
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      <goals>
        <goal>jar</goal>
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</build>

<distributionManagement>
  <repository>

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<url>https://api.bintray.com/maven/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>
<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>
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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/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-jar/META-INF/maven/org.jctools/jctools-core/pom.xml
```

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```
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-jar/io/netty/util/collection/CharObjectMap.java
```

```
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-jar/io/netty/util/collection/ByteObjectMap.java
```

```
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-jar/io/netty/util/collection/IntCollections.java
```

```
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-jar/io/netty/util/collection/ByteCollections.java
```

```
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-jar/io/netty/util/collection/ShortObjectMap.java
```

```
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-jar/io/netty/util/collection/IntObjectHashMap.java
```

```
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
```

```
jar/io/netty/util/collection/LongCollections.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/collection/LongObjectMap.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/collection/CharCollections.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/collection/LongObjectHashMap.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/collection/ShortCollections.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/ObjectUtil.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/collection/CharObjectHashMap.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/collection/ByteObjectHashMap.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/collection/IntObjectMap.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/collection/ShortObjectHashMap.java
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```
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/concurrent/UnaryPromiseNotifier.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/concurrent/RejectedExecutionHandlers.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/MacAddressUtil.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/concurrent/EventExecutorChooserFactory.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/ResourceLeakTracker.java
```

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* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/OutOfDirectMemoryError.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/NativeLibraryUtil.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/BooleanSupplier.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/UnstableApi.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/concurrent/OrderedEventExecutor.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/concurrent/NonStickyEventExecutorGroup.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/SocketUtils.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/ConstantTimeUtils.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/logging/Log4J2LoggerFactory.java
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jar/io/netty/util/internal/PromiseNotificationUtil.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/ThrowableUtil.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/concurrent/UnorderedThreadPoolEventExecutor.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/IntSupplier.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/ResourceLeakDetectorFactory.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/concurrent/PromiseCombiner.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/concurrent/RejectedExecutionHandler.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/logging/Log4J2Logger.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/DomainNameMappingBuilder.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/concurrent/DefaultEventExecutorChooserFactory.java
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* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/logging/InternalLogger.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/logging/CommonsLogger.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/logging/JdkLogger.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/logging/Log4JLogger.java

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```
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-  
jar/io/netty/util/internal/CleanerJava9.java  
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-  
jar/io/netty/util/concurrent/FastThreadLocalRunnable.java  
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-  
jar/io/netty/util/internal/Cleaner.java
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```
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-  
jar/io/netty/util/internal/ClassInitializerUtil.java
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```
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jar/io/netty/util/internal/ResourcesUtil.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/ByteProcessorUtils.java
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* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/LongCounter.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/concurrent/ThreadProperties.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/concurrent/AbstractScheduledEventExecutor.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/HashingStrategy.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/AsyncMapping.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/DefaultPriorityQueue.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/PriorityQueueNode.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
```

jar/io/netty/util/DomainMappingBuilder.java
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* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/NoOpTypeParameterMatcher.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/concurrent/CompleteFuture.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/concurrent/ScheduledFuture.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/PlatformDependent0.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/ReferenceCounted.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/concurrent/DefaultProgressivePromise.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/ConstantPool.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/concurrent/DefaultThreadFactory.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/concurrent/FutureListener.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/ResourceLeakDetector.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/ResourceLeakException.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/ConcurrentSet.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/EmptyArrays.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/ReferenceCountUtil.java
```

```
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/concurrent/AbstractEventExecutorGroup.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/logging/package-info.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/RecyclableArrayList.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/concurrent/AbstractFuture.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/AbstractReferenceCounted.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/concurrent/DefaultPromise.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/ResourceLeak.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/concurrent/Future.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/concurrent/ThreadPerTaskExecutor.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/concurrent/package-info.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/concurrent/ImmediateExecutor.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/concurrent/PromiseTask.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/concurrent/ProgressivePromise.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/TypeParameterMatcher.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/concurrent/ProgressiveFuture.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/concurrent/GenericProgressiveFutureListener.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/AppendableCharSequence.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/concurrent/ImmediateEventExecutor.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/Version.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/concurrent/ScheduledFutureTask.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/concurrent/GenericFutureListener.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/concurrent/DefaultFutureListeners.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/Recycler.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/concurrent/AbstractEventExecutor.java
```

```
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/concurrent/Promise.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/ReadOnlyIterator.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/PendingWrite.java
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```
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/AbstractConstant.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/concurrent/DefaultEventExecutorGroup.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/IllegalReferenceCountException.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/AttributeKey.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/Signal.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/TimerTask.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/Timer.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/StringUtil.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/Timeout.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/concurrent/EventExecutor.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/concurrent/EventExecutorGroup.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
```

```
jar/io/netty/util/DefaultAttributeMap.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/package-info.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/CharsetUtil.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/SystemPropertyUtil.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/Attribute.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/NetUtil.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/concurrent/BlockingOperationException.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/HashedWheelTimer.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/AttributeMap.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/logging/Log4JLoggerFactory.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/logging/JdkLoggerFactory.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/concurrent/SucceededFuture.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/logging/AbstractInternalLogger.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/concurrent/FailedFuture.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/concurrent/DefaultEventExecutor.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/package-info.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/concurrent/SingleThreadEventExecutor.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/concurrent/MultithreadEventExecutorGroup.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/Constant.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/logging/InternalLoggerFactory.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/logging/Slf4JLogger.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/PlatformDependent.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/logging/InternalLogLevel.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/logging/CommonsLoggerFactory.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
```

```
jar/io/netty/util/concurrent/GlobalEventExecutor.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/logging/Slf4JLoggerFactory.java
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* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/ByteProcessor.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/MathUtil.java
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* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/SuppressForbidden.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
```

```
jar/io/netty/util/internal/logging/LocationAwareSlf4JLogger.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/EmptyPriorityQueue.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/LongAdderCounter.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/NettyRuntime.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/ObjectCleaner.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/ReflectionUtil.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/UncheckedBooleanSupplier.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/PriorityQueue.java
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io.netty.util.internal.Hidden$NettyBlockHoundIntegration
```

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* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-jar/META-
INF/services/reactor.blockhound.integration.BlockHoundIntegration
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* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/ThreadDeathWatcher.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/InternalThreadLocalMap.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/concurrent/PromiseNotifier.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/concurrent/FastThreadLocal.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/IntegerHolder.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/ResourceLeakHint.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/UnpaddedInternalThreadLocalMap.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/internal/NativeLibraryLoader.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/concurrent/PromiseAggregator.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/AsciiString.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/Mapping.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/DomainNameMapping.java
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* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-jar/META-INF/maven/io.netty/netty-common/pom.xml
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```

```
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-jar/io/netty/util/internal/Hidden.java
```

```
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-jar/io/netty/util/internal/svm/PlatformDependent0Substitution.java
```

```
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-jar/io/netty/util/internal/ThreadExecutorMap.java
```

```
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-jar/io/netty/util/internal/ReferenceCountUpdater.java
```

```
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-jar/io/netty/util/internal/svm/package-info.java
```

```
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-jar/io/netty/util/internal/svm/PlatformDependentSubstitution.java
```

```
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-jar/io/netty/util/internal/svm/CleanerJava6Substitution.java
```

```
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-jar/io/netty/util/internal/svm/UnsafeRefArrayAccessSubstitution.java
```

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```
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```
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-  
jar/io/netty/util/concurrent/FastThreadLocalThread.java  
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-  
jar/io/netty/util/internal/CleanerJava6.java
```

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```
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-jar/META-  
INF/native-image/io.netty/netty-common/native-image.properties
```

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```
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/NetUtilSubstitutions.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/DomainWildcardMappingBuilder.java
* /opt/cola/permits/1534563249_1673949829.1845074/0/netty-common-4-1-86-final-sources-
jar/io/netty/util/NetUtilInitializations.java
```

1.157 jcip-annotation 1.0 1

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```
* /opt/ws_local/PERMITS_SQL/1013822089_1591370825.53/0/jcip-annotations-1-0-1-sources-
```

```
jar/net/jcip/annotations/NotThreadSafe.java  
* /opt/ws_local/PERMITS_SQL/1013822089_1591370825.53/0/jcip-annotations-1-0-1-sources-  
jar/net/jcip/annotations/ThreadSafe.java  
* /opt/ws_local/PERMITS_SQL/1013822089_1591370825.53/0/jcip-annotations-1-0-1-sources-  
jar/net/jcip/annotations/GuardedBy.java  
* /opt/ws_local/PERMITS_SQL/1013822089_1591370825.53/0/jcip-annotations-1-0-1-sources-  
jar/net/jcip/annotations/Immutable.java
```

1.158 auth 2.17.217

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jar/com/appdynamics/agent/api/ExitTypes.java
* /opt/cola/permits/1135883181_1613624118.73/0/agent-api-20-6-0-30246-sources-
jar/com/appdynamics/agent/api/EntryTypes.java
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jar/com/appdynamics/agent/api/bootstrap/IApiBootstrapFacade.java
* /opt/cola/permits/1135883181_1613624118.73/0/agent-api-20-6-0-30246-sources-
jar/com/appdynamics/agent/sdk/impl/NoOpLogger.java
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* /opt/cola/permits/1135883181_1613624118.73/0/agent-api-20-6-0-30246-sources-jar/com/appdynamics/instrumentation/sdk/SDKClassMatchType.java

* /opt/cola/permits/1135883181_1613624118.73/0/agent-api-20-6-0-30246-sources-jar/com/appdynamics/instrumentation/sdk/SDKStringMatchType.java

* /opt/cola/permits/1135883181_1613624118.73/0/agent-api-20-6-0-30246-sources-jar/com/appdynamics/instrumentation/sdk/toolbox/reflection/ReflectorException.java

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* /opt/cola/permits/1135883181_1613624118.73/0/agent-api-20-6-0-30246-sources-
jar/com/appdynamics/agent/api/Transaction.java
* /opt/cola/permits/1135883181_1613624118.73/0/agent-api-20-6-0-30246-sources-
jar/com/appdynamics/agent/api/MetricPublisher.java
* /opt/cola/permits/1135883181_1613624118.73/0/agent-api-20-6-0-30246-sources-
jar/com/appdynamics/agent/api/impl/NoOpTransaction.java
* /opt/cola/permits/1135883181_1613624118.73/0/agent-api-20-6-0-30246-sources-
jar/com/appdynamics/agent/api/ExitCall.java
* /opt/cola/permits/1135883181_1613624118.73/0/agent-api-20-6-0-30246-sources-
jar/com/appdynamics/agent/api/EventPublisher.java
* /opt/cola/permits/1135883181_1613624118.73/0/agent-api-20-6-0-30246-sources-
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```

1.160 utils 2.18.41

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- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
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- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd
- web-app_4_0.xsd
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1.165 protocol-core 2.17.4

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* /opt/cola/permits/1261985974_1643339968.39/0/aws-java-sdk-dynamodb-1-12-57-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/StandardBeanProperties.java  
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jar/com/amazonaws/services/dynamodbv2/datamodeling/DynamoDBScalarAttribute.java
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jar/com/amazonaws/services/dynamodbv2/datamodeling/AttributeTransformer.java
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jar/com/amazonaws/services/dynamodbv2/document/internal/IndexScanImpl.java
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```
* /opt/cola/permits/1261985974_1643339968.39/0/aws-java-sdk-dynamodb-1-12-57-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/DynamoDBTypeConvertedEpochDate.java  
* /opt/cola/permits/1261985974_1643339968.39/0/aws-java-sdk-dynamodb-1-12-57-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/DynamoDBQueryExpression.java
```

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jar/com/amazonaws/services/dynamodbv2/AmazonDynamoDBClientConfigurationFactory.java
* /opt/cola/permits/1261985974_1643339968.39/0/aws-java-sdk-dynamodb-1-12-57-sources-
jar/com/amazonaws/services/dynamodbv2/datamodeling/DynamoDBAutoGenerateStrategy.java
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jar/com/amazonaws/services/dynamodbv2/datamodeling/DynamoDBTransactionWriteExpression.java
* /opt/cola/permits/1261985974_1643339968.39/0/aws-java-sdk-dynamodb-1-12-57-sources-
jar/com/amazonaws/services/dynamodbv2/datamodeling/UpdateExpressionGenerator.java
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jar/com/amazonaws/services/dynamodbv2/datamodeling/TransactionLoadRequest.java
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jar/com/amazonaws/services/dynamodbv2/datamodeling/VersionAttributeConditionExpressionGenerator.java
* /opt/cola/permits/1261985974_1643339968.39/0/aws-java-sdk-dynamodb-1-12-57-sources-
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jar/com/amazonaws/services/dynamodbv2/datamodeling/DynamoDBTransactionLoadExpression.java
* /opt/cola/permits/1261985974_1643339968.39/0/aws-java-sdk-dynamodb-1-12-57-sources-
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jar/com/amazonaws/services/dynamodbv2/document/ItemUtils.java
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jar/com/amazonaws/services/dynamodbv2/datamodeling/DynamoDBMapper.java
* /opt/cola/permits/1261985974_1643339968.39/0/aws-java-sdk-dynamodb-1-12-57-sources-
jar/com/amazonaws/services/dynamodbv2/datamodeling/AbstractDynamoDBMapper.java
* /opt/cola/permits/1261985974_1643339968.39/0/aws-java-sdk-dynamodb-1-12-57-sources-
jar/com/amazonaws/services/dynamodbv2/datamodeling/IDynamoDBMapper.java
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* /opt/cola/permits/1261985974_1643339968.39/0/aws-java-sdk-dynamodb-1-12-57-sources-jar/com/amazonaws/services/dynamodbv2/document/internal/UpdateItemImpl.java
* /opt/cola/permits/1261985974_1643339968.39/0/aws-java-sdk-dynamodb-1-12-57-sources-jar/com/amazonaws/services/dynamodbv2/document/utils/FluentArrayList.java
* /opt/cola/permits/1261985974_1643339968.39/0/aws-java-sdk-dynamodb-1-12-57-sources-jar/com/amazonaws/services/dynamodbv2/document/spec/ListTablesSpec.java
* /opt/cola/permits/1261985974_1643339968.39/0/aws-java-sdk-dynamodb-1-12-57-sources-jar/com/amazonaws/services/dynamodbv2/document/internal/PageIterator.java
* /opt/cola/permits/1261985974_1643339968.39/0/aws-java-sdk-dynamodb-1-12-57-sources-jar/com/amazonaws/services/dynamodbv2/document/TableCollection.java
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* /opt/cola/permits/1261985974_1643339968.39/0/aws-java-sdk-dynamodb-1-12-57-sources-jar/com/amazonaws/services/dynamodbv2/document/Index.java
* /opt/cola/permits/1261985974_1643339968.39/0/aws-java-sdk-dynamodb-1-12-57-sources-jar/com/amazonaws/services/dynamodbv2/document/spec/AbstractSpecWithPrimaryKey.java
* /opt/cola/permits/1261985974_1643339968.39/0/aws-java-sdk-dynamodb-1-12-57-sources-jar/com/amazonaws/services/dynamodbv2/document/RangeKeyCondition.java
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* /opt/cola/permits/1261985974_1643339968.39/0/aws-java-sdk-dynamodb-1-12-57-sources-jar/com/amazonaws/services/dynamodbv2/document/internal/ListTablesPage.java
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* /opt/cola/permits/1261985974_1643339968.39/0/aws-java-sdk-dynamodb-1-12-57-sources-jar/com/amazonaws/services/dynamodbv2/document/internal/QueryImpl.java
* /opt/cola/permits/1261985974_1643339968.39/0/aws-java-sdk-dynamodb-1-12-57-sources-jar/com/amazonaws/services/dynamodbv2/document/BatchGetItemOutcome.java
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* /opt/cola/permits/1261985974_1643339968.39/0/aws-java-sdk-dynamodb-1-12-57-sources-jar/com/amazonaws/services/dynamodbv2/document/api/QueryApi.java
* /opt/cola/permits/1261985974_1643339968.39/0/aws-java-sdk-dynamodb-1-12-57-sources-jar/com/amazonaws/services/dynamodbv2/document/TableWriteItems.java

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* /opt/cola/permits/1261985974_1643339968.39/0/aws-java-sdk-dynamodb-1-12-57-sources-jar/com/amazonaws/services/dynamodbv2/document/AttributeUpdate.java
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* /opt/cola/permits/1261985974_1643339968.39/0/aws-java-sdk-dynamodb-1-12-57-sources-jar/com/amazonaws/services/dynamodbv2/document/internal/ListTablesImpl.java
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* /opt/cola/permits/1261985974_1643339968.39/0/aws-java-sdk-dynamodb-1-12-57-sources-jar/com/amazonaws/services/dynamodbv2/document/internal/ScanImpl.java
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* /opt/cola/permits/1261985974_1643339968.39/0/aws-java-sdk-dynamodb-1-12-57-sources-jar/com/amazonaws/services/dynamodbv2/document/Attribute.java
* /opt/cola/permits/1261985974_1643339968.39/0/aws-java-sdk-dynamodb-1-12-57-sources-jar/com/amazonaws/services/dynamodbv2/document/internal/QueryPage.java
* /opt/cola/permits/1261985974_1643339968.39/0/aws-java-sdk-dynamodb-1-12-57-sources-jar/com/amazonaws/services/dynamodbv2/document/api/GetItemApi.java
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* /opt/cola/permits/1261985974_1643339968.39/0/aws-java-sdk-dynamodb-1-12-57-sources-jar/com/amazonaws/services/dynamodbv2/document/Table.java
* /opt/cola/permits/1261985974_1643339968.39/0/aws-java-sdk-dynamodb-1-12-57-sources-jar/com/amazonaws/services/dynamodbv2/document/spec/QuerySpec.java
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* /opt/cola/permits/1261985974_1643339968.39/0/aws-java-sdk-dynamodb-1-12-57-sources-
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jar/com/amazonaws/services/dynamodbv2/document/api/ListTablesApi.java
* /opt/cola/permits/1261985974_1643339968.39/0/aws-java-sdk-dynamodb-1-12-57-sources-
jar/com/amazonaws/services/dynamodbv2/document/api/BatchWriteItemApi.java
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jar/com/amazonaws/services/dynamodbv2/AmazonDynamoDBClientBuilder.java
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* /opt/cola/permits/1261985974_1643339968.39/0/aws-java-sdk-dynamodb-1-12-57-sources-
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* /opt/cola/permits/1261985974_1643339968.39/0/aws-java-sdk-dynamodb-1-12-57-sources-
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jar/com/amazonaws/services/dynamodbv2/model/transform/DescribeContributorInsightsResultJsonUnmarshaller.java
va
* /opt/cola/permits/1261985974_1643339968.39/0/aws-java-sdk-dynamodb-1-12-57-sources-
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jar/com/amazonaws/services/dynamodbv2/model/transform/RestoreSummaryJsonUnmarshaller.java
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```

Found in path(s):

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* /opt/cola/permits/1261985974_1643339968.39/0/aws-java-sdk-dynamodb-1-12-57-sources-
jar/com/amazonaws/services/dynamodbv2/datamodeling/DynamoDBScanExpression.java
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jar/com/amazonaws/services/dynamodbv2/datamodeling/DynamoDBGeneratedUuid.java
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jar/com/amazonaws/services/dynamodbv2/datamodeling/S3Link.java
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jar/com/amazonaws/services/dynamodbv2/datamodeling/DynamoDBMappingException.java
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* /opt/cola/permits/1261985974_1643339968.39/0/aws-java-sdk-dynamodb-1-12-57-sources-
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* /opt/cola/permits/1261985974_1643339968.39/0/aws-java-sdk-dynamodb-1-12-57-sources-  
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* /opt/cola/permits/1261985974_1643339968.39/0/aws-java-sdk-dynamodb-1-12-57-sources-  
jar/com/amazonaws/services/dynamodbv2/datamodeling/DynamoDBIndexHashKey.java
```

1.167 client-spi 2.17.4

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1.169 okhttp 3.14.9

1.169.1 Available under license :

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1.170 snake-yaml 1.33

1.170.1 Available under license :

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/**

```

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```

Found in path(s):

```

* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-
jar/org/yaml/snakeyaml/util/ArrayUtils.java
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-
jar/org/yaml/snakeyaml/serializer/SerializerException.java
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-
jar/org/yaml/snakeyaml/serializer/NumberAnchorGenerator.java
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-
jar/org/yaml/snakeyaml/constructor/AbstractConstruct.java
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-
jar/org/yaml/snakeyaml/representer/BaseRepresenter.java
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-
jar/org/yaml/snakeyaml/events/CollectionStartEvent.java
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-
jar/org/yaml/snakeyaml/emitter/Emitter.java
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-
jar/org/yaml/snakeyaml/scanner/Constant.java
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-
jar/org/yaml/snakeyaml/constructor/Constructor.java
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-
jar/org/yaml/snakeyaml/scanner/Scanner.java
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-
jar/org/yaml/snakeyaml/tokens/BlockEndToken.java
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-
jar/org/yaml/snakeyaml/parser/ParserImpl.java
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-
jar/org/yaml/snakeyaml/tokens/FlowSequenceEndToken.java
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-
jar/org/yaml/snakeyaml/scanner/ScannerException.java
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-
jar/org/yaml/snakeyaml/events/NodeEvent.java
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-
jar/org/yaml/snakeyaml/tokens/FlowEntryToken.java
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-

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jar/org/yaml/snakeyaml/extensions/compactnotation/PackageCompactConstructor.java
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-
jar/org/yaml/snakeyaml/Yaml.java
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-
jar/org/yaml/snakeyaml/emitter/ScalarAnalysis.java
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-
jar/org/yaml/snakeyaml reader/ReaderException.java
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-
jar/org/yaml/snakeyaml constructor/BaseConstructor.java
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-
jar/org/yaml/snakeyaml/DumperOptions.java
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-
jar/org/yaml/snakeyaml/tokens/AnchorToken.java
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-
jar/org/yaml/snakeyaml/emitter/EmitterException.java
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-
jar/org/yaml/snakeyaml/representer/Representer.java
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-
jar/org/yaml/snakeyaml/comments/CommentEventsCollector.java
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-
jar/org/yaml/snakeyaml/emitter/Emitable.java
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-
jar/org/yaml/snakeyaml/error/MarkedYAMLException.java
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-
jar/org/yaml/snakeyaml/tokens/BlockMappingStartToken.java
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-
jar/org/yaml/snakeyaml/tokens/DirectiveToken.java
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-
jar/org/yaml/snakeyaml/introspector/PropertyUtils.java
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-
jar/org/yaml/snakeyaml constructor/DuplicateKeyException.java
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-
jar/org/yaml/snakeyaml/nodes/NodeTuple.java
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-
jar/org/yaml/snakeyaml/tokens/CommentToken.java
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-
jar/org/yaml/snakeyaml/introspector/MissingProperty.java
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-
jar/org/yaml/snakeyaml/introspector/FieldProperty.java
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-
jar/org/yaml/snakeyaml/comments/CommentLine.java
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-
jar/org/yaml/snakeyaml/util/PlatformFeatureDetector.java
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-
jar/org/yaml/snakeyaml constructor/CustomClassLoaderConstructor.java
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-
jar/org/yaml/snakeyaml/tokens/DocumentStartToken.java
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-

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jar/org/yaml/snakeyaml/events/ScalarEvent.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/representer/Represent.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/nodes/MappingNode.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/tokens/BlockEntryToken.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/tokens/TagToken.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/events/SequenceEndEvent.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/tokens/KeyToken.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/constructor/Construct.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/nodes/AnchorNode.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/tokens/FlowMappingStartToken.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/error/MissingEnvironmentVariableException.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/introspector/BeanAccess.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/constructor/ConstructorException.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/events/StreamStartEvent.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/events/DocumentStartEvent.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/nodes/Node.java  
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jar/org/yaml/snakeyaml/events/MappingEndEvent.java  
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jar/org/yaml/snakeyaml/serializer/Serializer.java  
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jar/org/yaml/snakeyaml/error/Mark.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/parser/VersionTagsTuple.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/reader/StreamReader.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/events/CollectionEndEvent.java  
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jar/org/yaml/snakeyaml/env/EnvScalarConstructor.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-
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jar/org/yaml/snakeyaml/error/YAMLError.java  
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jar/org/yaml/snakeyaml/serializer/AnchorGenerator.java  
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jar/org/yaml/snakeyaml/TypeDescription.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/composer/ComposerException.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/nodes/NodeId.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/events/StreamEndEvent.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/util/UriEncoder.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/nodes/Tag.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/parser/Production.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/reader/UnicodeReader.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
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jar/org/yaml/snakeyaml/introspector/MethodProperty.java  
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jar/org/yaml/snakeyaml/constructor/SafeConstructor.java  
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jar/org/yaml/snakeyaml/scanner/ScannerImpl.java  
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* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/events/CommentEvent.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/events/ImplicitTuple.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/parser/ParserException.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-
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jar/org/yaml/snakeyaml/tokens/TagTuple.java  
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* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/LoaderOptions.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/events/MappingStartEvent.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/resolver/ResolverTuple.java  
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jar/org/yaml/snakeyaml/introspector/PropertySubstitute.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
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jar/org/yaml/snakeyaml/parser/Parser.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/events/AliasEvent.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/comments/CommentType.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/representer/SafeRepresenter.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/nodes/CollectionNode.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/util/ArrayStack.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/composer/Composer.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/tokens/StreamStartToken.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/tokens/FlowSequenceStartToken.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/tokens/AliasToken.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/tokens/ScalarToken.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/tokens/StreamEndToken.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/tokens/ValueToken.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/tokens/Token.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/tokens/FlowMappingEndToken.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-
```

```
jar/org/yaml/snakeyaml/extensions/compactnotation/CompactConstructor.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/extensions/compactnotation/CompactData.java  
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```

```
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 */
```

Found in path(s):

```
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/external/com/google/gdata/util/common/base/UnicodeEscaper.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/external/com/google/gdata/util/common/base/PercentEscaper.java  
* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-  
jar/org/yaml/snakeyaml/external/com/google/gdata/util/common/base/Escaper.java
```

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```
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// AL, Apache License, V2.0 or later, http://www.apache.org/licenses  
// BSD, BSD License, http://www.opensource.org/licenses/bsd-license.php  
/**  
 * 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>  
 * Multi-licensed: EPL / LGPL / GPL / AL / BSD.  
 */
```

Found in path(s):

* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-jar/org/yaml/snakeyaml/external/biz/base64Coder/Base64Coder.java

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Found in path(s):

* /opt/cola/permits/1501142303_1670441265.5464437/0/snakeyaml-1-33-sources-4-jar/META-INF/maven/org.yaml/snakeyaml/pom.xml

1.171 lz4-java 1.7.1

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1.172 sqs 2.18.41

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1.173 zlib 1.2.12-r3

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 */
/***
 * <p>
 * Returns a set of temporary security credentials (consisting of an access key ID, a secret access key, and a
 * security token) for a federated user. A typical use is in a proxy application that gets temporary security
 * credentials on behalf of distributed applications inside a corporate network. You must call the
 * <code>GetFederationToken</code> operation using the long-term security credentials of an IAM user. As a
 * result,
 * this call is appropriate in contexts where those credentials can be safely stored, usually in a server-based
 * application. For a comparison of <code>GetFederationToken</code> with the other API operations that
 * produce
 * temporary credentials, see <a
 * href="https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_temp_request.html">Requesting
 * Temporary
 * Security Credentials</a> and <a
 *
 * href="https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_temp_request.html#stsapi_comparison"
 * >Comparing the STS API operations</a> in the <i>IAM User Guide</i>.
 * </p>
 * <note>
 * <p>
 * You can create a mobile-based or browser-based app that can authenticate users using a web identity provider
 * like
 * Login with Amazon, Facebook, Google, or an OpenID Connect-compatible identity provider. In this case, we
```

* recommend that you use Amazon Cognito or
* <code>AssumeRoleWithWebIdentity</code>. For more information, see <a href=
*
"https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_temp_request.html#api_assumerolewithwebide
ntity"
* >Federation Through a Web-based Identity Provider in the <i>IAM User Guide</i>.
* </p>
* </note>
* <p>
* You can also call <code>GetFederationToken</code> using the security credentials of an Amazon Web
Services
* account root user, but we do not recommend it. Instead, we recommend that you create an IAM user for the
purpose
* of the proxy application. Then attach a policy to the IAM user that limits federated users to only the actions
* and resources that they need to access. For more information, see <a
* href="https://docs.aws.amazon.com/IAM/latest/UserGuide/best-practices.html">IAM Best Practices in the
<i>IAM
* User Guide</i>.
* </p>
* <p>
* Session duration
* </p>
* <p>
* The temporary credentials are valid for the specified duration, from 900 seconds (15 minutes) up to a maximum
of
* 129,600 seconds (36 hours). The default session duration is 43,200 seconds (12 hours). Temporary credentials
that
* are obtained by using Amazon Web Services account root user credentials have a maximum duration of 3,600
seconds
* (1 hour).
* </p>
* <p>
* Permissions
* </p>
* <p>
* You can use the temporary credentials created by <code>GetFederationToken</code> in any Amazon Web
Services
* service except the following:
* </p>
*
*
* <p>
* You cannot call any IAM operations using the CLI or the Amazon Web Services API.
* </p>
*
*
* <p>
* You cannot call any STS operations except <code>GetCallerIdentity</code>.

* </p>
*
*
* <p>
* You must pass an inline or managed <a
* href="https://docs.aws.amazon.com/IAM/latest/UserGuide/access_policies.html#policies_session">session
policy
* to this operation. You can pass a single JSON policy document to use as an inline session policy. You can also
* specify up to 10 managed policies to use as managed session policies. The plaintext that you use for both inline
* and managed session policies can't exceed 2,048 characters.
* </p>
* <p>
* Though the session policy parameters are optional, if you do not pass a policy, then the resulting federated user
* session has no permissions. When you pass session policies, the session permissions are the intersection of the
* IAM user policies and the session policies that you pass. This gives you a way to further restrict the
* permissions for a federated user. You cannot use session policies to grant more permissions than those that are
* defined in the permissions policy of the IAM user. For more information, see <a
* href="https://docs.aws.amazon.com/IAM/latest/UserGuide/access_policies.html#policies_session">Session
* Policies in the <i>IAM User Guide</i>. For information about using <code>GetFederationToken</code>
to create
* temporary security credentials, see <a
*
href="https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_temp_request.html#api_getfederationtoken"
* >GetFederationToken—Federation Through a Custom Identity Broker.
* </p>
* <p>
* You can use the credentials to access a resource that has a resource-based policy. If that policy specifically
* references the federated user session in the <code>Principal</code> element of the policy, the session has the
* permissions allowed by the policy. These permissions are granted in addition to the permissions granted by the
* session policies.
* </p>
* <p>
* Tags
* </p>
* <p>
* (Optional) You can pass tag key-value pairs to your session. These are called session tags. For more information
* about session tags, see <a href="https://docs.aws.amazon.com/IAM/latest/UserGuide/id_session-
tags.html">Passing
* Session Tags in STS in the <i>IAM User Guide</i>.
* </p>
* <note>
* <p>
* You can create a mobile-based or browser-based app that can authenticate users using a web identity provider
like
* Login with Amazon, Facebook, Google, or an OpenID Connect-compatible identity provider. In this case, we
* recommend that you use Amazon Cognito or
* <code>AssumeRoleWithWebIdentity</code>. For more information, see <a href=

*
"https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_temp_request.html#api_assumerolewithwebidentity"
* >Federation Through a Web-based Identity Provider in the <i>IAM User Guide</i>.
* </p>
* </note>
* <p>
* You can also call <code>GetFederationToken</code> using the security credentials of an Amazon Web Services
* account root user, but we do not recommend it. Instead, we recommend that you create an IAM user for the purpose
* of the proxy application. Then attach a policy to the IAM user that limits federated users to only the actions
* and resources that they need to access. For more information, see IAM Best Practices in the <i>IAM User Guide</i>.
* </p>
* <p>
* Session duration
* </p>
* <p>
* The temporary credentials are valid for the specified duration, from 900 seconds (15 minutes) up to a maximum of
* 129,600 seconds (36 hours). The default session duration is 43,200 seconds (12 hours). Temporary credentials that
* are obtained by using Amazon Web Services account root user credentials have a maximum duration of 3,600 seconds
* (1 hour).
* </p>
* <p>
* Permissions
* </p>
* <p>
* You can use the temporary credentials created by <code>GetFederationToken</code> in any Amazon Web Services
* service except the following:
* </p>
*
*
* <p>
* You cannot call any IAM operations using the CLI or the Amazon Web Services API.
* </p>
*
*
* <p>
* You cannot call any STS operations except <code>GetCallerIdentity</code>.
* </p>
*

*
* <p>
* You must pass an inline or managed session policy
* to this operation. You can pass a single JSON policy document to use as an inline session policy. You can also
* specify up to 10 managed policies to use as managed session policies. The plain text that you use for both inline
* and managed session policies can't exceed 2,048 characters.
* </p>
* <p>
* Though the session policy parameters are optional, if you do not pass a policy, then the resulting federated user
* session has no permissions. When you pass session policies, the session permissions are the intersection of the
* IAM user policies and the session policies that you pass. This gives you a way to further restrict the
* permissions for a federated user. You cannot use session policies to grant more permissions than those that are
* defined in the permissions policy of the IAM user. For more information, see Session Policies in the <i>IAM User Guide</i>. For information about using <code>GetFederationToken</code> to create
* temporary security credentials, see GetFederationToken—Federation Through a Custom Identity Broker.
* </p>
* <p>
* You can use the credentials to access a resource that has a resource-based policy. If that policy specifically
* references the federated user session in the <code>Principal</code> element of the policy, the session has the
* permissions allowed by the policy. These permissions are granted in addition to the permissions granted by the
* session policies.
* </p>
* <p>
* Tags
* </p>
* <p>
* (Optional) You can pass tag key-value pairs to your session. These are called session tags. For more information
* about session tags, see Passing Session Tags in STS in the <i>IAM User Guide</i>.
* An administrator must grant you the permissions necessary to pass session tags. The administrator can also
create
* granular permissions to allow you to pass only specific session tags. For more information, see Tutorial:
* Using Tags for Attribute-Based Access Control in the <i>IAM User Guide</i>.
* </p>
* <p>

- * Tag key-value pairs are not case sensitive, but case is preserved. This means that you cannot have separate
 - * <code>Department</code> and <code>department</code> tag keys. Assume that the user that you are federating has
- * the <code>Department</code>=<code>Marketing</code> tag and you pass the <code>department</code>=<code>engineering</code> session tag. <code>Department</code> and <code>department</code> are not saved as
 - * separate tags, and the session tag passed in the request takes precedence over the user tag.
- * </p>
- *
- * @param getFederationTokenRequest
- * @return Result of the GetFederationToken operation returned by the service.
- * @throws MalformedPolicyDocumentException
 - * The request was rejected because the policy document was malformed. The error message describes the specific error.
- * @throws PackedPolicyTooLargeException
 - * The request was rejected because the total packed size of the session policies and session tags combined was too large. An Amazon Web Services conversion compresses the session policy document, session policy
- * ARNs, and session tags into a packed binary format that has a separate limit. The error message indicates by percentage how close the policies and tags are to the upper size limit. For more information, see Passing Session Tags in STS in the <i>IAM User Guide</i>.</p>
- * <p>
- * You could receive this error even though you meet other defined session policy and session tag limits.
- * For more information, see IAM and
- * STS Entity Character Limits in the <i>IAM User Guide</i>.
- * @throws RegionDisabledException
 - * STS is not activated in the requested region for the account that is being asked to generate credentials.
 - * The account administrator must use the IAM console to activate STS in that region. For more information, see
- * Activating and Deactivating Amazon Web Services STS in an Amazon Web Services Region in the <i>IAM User Guide</i>.
- * @sample AWSSecurityTokenService.GetFederationToken
 - * @see AWS API Documentation
- */

Found in path(s):

- * /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-jar/com/amazonaws/services/securitytoken/AWSSecurityTokenService.java
- * /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-jar/com/amazonaws/services/securitytoken/AWSSecurityTokenServiceClient.java

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

```
/*
 * Copyright 2011-2021 Amazon.com, Inc. or its affiliates. All Rights Reserved.
 *
 * Licensed under the Apache License, Version 2.0 (the "License").
 * You may not use this file except in compliance with the License.
 * A copy of the License is located at
 *
 * http://aws.amazon.com/apache2.0
 *
 * or in the "license" file accompanying this file. This file is distributed
 * on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either
 * express or implied. See the License for the specific language governing
 * permissions and limitations under the License.
 */
```

Found in path(s):

```
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/auth/ShouldDoAsyncSessionRefresh.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/auth/RefreshableTask.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/auth/DaemonThreadFactory.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/auth/ShouldDoBlockingSessionRefresh.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/auth/SessionCredentialsHolder.java
```

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

```
/*
 * Copyright 2016-2021 Amazon.com, Inc. or its affiliates. All Rights Reserved.
 *
 * Licensed under the Apache License, Version 2.0 (the "License"). You may not use this file except in compliance
 * with
 * the License. A copy of the License is located at
 *
 * http://aws.amazon.com/apache2.0
 *
 * or in the "license" file accompanying this file. This file is distributed on an "AS IS" BASIS, WITHOUT
 * WARRANTIES OR
 * CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing
 * permissions
 * and limitations under the License.
 */
/***
 * <p>
 * Returns a set of temporary security credentials (consisting of an access key ID, a secret access key, and a
```

* security token) for a federated user. A typical use is in a proxy application that gets temporary security credentials on behalf of distributed applications inside a corporate network. You must call the `<code>GetFederationToken</code>` operation using the long-term security credentials of an IAM user. As a result,

- * this call is appropriate in contexts where those credentials can be safely stored, usually in a server-based application. For a comparison of `<code>GetFederationToken</code>` with the other API operations that produce
 - * temporary credentials, see [Requesting Temporary Security Credentials](https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_temp_request.html) and [Comparing the STS API Operations](#) in the *IAM User Guide*.

https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_temp_request.html#stsapi_comparison

* </p>

* <note>

* <p>

* You can create a mobile-based or browser-based app that can authenticate users using a web identity provider like

- * Login with Amazon, Facebook, Google, or an OpenID Connect-compatible identity provider. In this case, we recommend that you use [Amazon Cognito](http://aws.amazon.com/cognito/) or
- * `<code>AssumeRoleWithWebIdentity</code>`. For more information, see [Assume a Role Using a Web Identity](#).

"https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_temp_request.html#api_assumerolewithwebidentity

* >Federation Through a Web-based Identity Provider in the *IAM User Guide*.

* </p>

* </note>

* <p>

* You can also call `<code>GetFederationToken</code>` using the security credentials of an Amazon Web Services account root user, but we do not recommend it. Instead, we recommend that you create an IAM user for the purpose

- * of the proxy application. Then attach a policy to the IAM user that limits federated users to only the actions and resources that they need to access. For more information, see [IAM Best Practices](https://docs.aws.amazon.com/IAM/latest/UserGuide/best-practices.html) in the *IAM User Guide*.

* <p>

* <p>

* Session duration

* </p>

* <p>

* The temporary credentials are valid for the specified duration, from 900 seconds (15 minutes) up to a maximum of

- * 129,600 seconds (36 hours). The default session duration is 43,200 seconds (12 hours). Temporary credentials that are obtained by using Amazon Web Services account root user credentials have a maximum duration of 3,600

seconds

* (1 hour).

* </p>

* <p>

* Permissions

* </p>

* <p>

* You can use the temporary credentials created by <code>GetFederationToken</code> in any Amazon Web Services

* service except the following:

* </p>

*

*

* <p>

* You cannot call any IAM operations using the CLI or the Amazon Web Services API.

* </p>

*

*

* <p>

* You cannot call any STS operations except <code>GetCallerIdentity</code>.

* </p>

*

*

* <p>

* You must pass an inline or managed <a

* href="https://docs.aws.amazon.com/IAM/latest/UserGuide/access_policies.html#policies_session">session policy

* to this operation. You can pass a single JSON policy document to use as an inline session policy. You can also

* specify up to 10 managed policies to use as managed session policies. The plaintext that you use for both inline

* and managed session policies can't exceed 2,048 characters.

* </p>

* <p>

* Though the session policy parameters are optional, if you do not pass a policy, then the resulting federated user

* session has no permissions. When you pass session policies, the session permissions are the intersection of the

* IAM user policies and the session policies that you pass. This gives you a way to further restrict the

* permissions for a federated user. You cannot use session policies to grant more permissions than those that are

* defined in the permissions policy of the IAM user. For more information, see <a

* href="https://docs.aws.amazon.com/IAM/latest/UserGuide/access_policies.html#policies_session">Session

* Policies in the <i>IAM User Guide</i>. For information about using <code>GetFederationToken</code>

to create

* temporary security credentials, see <a

*

href="https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_temp_request.html#api_getfederationtoken"

* >GetFederationToken—Federation Through a Custom Identity Broker.

* </p>

* <p>

* You can use the credentials to access a resource that has a resource-based policy. If that policy specifically

* references the federated user session in the <code>Principal</code> element of the policy, the session has the
* permissions allowed by the policy. These permissions are granted in addition to the permissions granted by the
* session policies.

* </p>

* <p>

* Tags

* </p>

* <p>

* (Optional) You can pass tag key-value pairs to your session. These are called session tags. For more information
* about session tags, see <a href="https://docs.aws.amazon.com/IAM/latest/UserGuide/id_session-
tags.html">Passing

* Session Tags in STS in the <i>IAM User Guide</i>.

* </p>

* <note>

* <p>

* You can create a mobile-based or browser-based app that can authenticate users using a web identity provider
like

* Login with Amazon, Facebook, Google, or an OpenID Connect-compatible identity provider. In this case, we
* recommend that you use Amazon Cognito or
* <code>AssumeRoleWithWebIdentity</code>. For more information, see <a href=

* "https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_temp_request.html#api_assumerolewithwebide
ntity"

* >Federation Through a Web-based Identity Provider in the <i>IAM User Guide</i>.

* </p>

* <note>

* <p>

* You can also call <code>GetFederationToken</code> using the security credentials of an Amazon Web
Services

* account root user, but we do not recommend it. Instead, we recommend that you create an IAM user for the
purpose

* of the proxy application. Then attach a policy to the IAM user that limits federated users to only the actions
* and resources that they need to access. For more information, see <a
* href="https://docs.aws.amazon.com/IAM/latest/UserGuide/best-practices.html">IAM Best Practices in the
<i>IAM

* User Guide</i>.

* </p>

* <p>

* Session duration

* </p>

* <p>

* The temporary credentials are valid for the specified duration, from 900 seconds (15 minutes) up to a maximum
of

* 129,600 seconds (36 hours). The default session duration is 43,200 seconds (12 hours). Temporary credentials
that

* are obtained by using Amazon Web Services account root user credentials have a maximum duration of 3,600
seconds

* (1 hour).

* </p>
* <p>
* Permissions
* </p>
* <p>
* You can use the temporary credentials created by <code>GetFederationToken</code> in any Amazon Web Services
Services
* service except the following:
* </p>
*
*
* <p>
* You cannot call any IAM operations using the CLI or the Amazon Web Services API.
* </p>
*
*
* <p>
* You cannot call any STS operations except <code>GetCallerIdentity</code>.
* </p>
*
*
* <p>
* You must pass an inline or managed session policy
* to this operation. You can pass a single JSON policy document to use as an inline session policy. You can also
* specify up to 10 managed policies to use as managed session policies. The plain text that you use for both inline
* and managed session policies can't exceed 2,048 characters.
* </p>
* <p>
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* IAM user policies and the session policies that you pass. This gives you a way to further restrict the
* permissions for a federated user. You cannot use session policies to grant more permissions than those that are
* defined in the permissions policy of the IAM user. For more information, see Session Policies in the <i>IAM User Guide</i>. For information about using <code>GetFederationToken</code>
to create
* temporary security credentials, see GetFederationToken—Federation Through a Custom Identity Broker.
* </p>
* <p>
* You can use the credentials to access a resource that has a resource-based policy. If that policy specifically
* references the federated user session in the <code>Principal</code> element of the policy, the session has the
* permissions allowed by the policy. These permissions are granted in addition to the permissions granted by the

- * session policies.
- * </p>
- * <p>
- * Tags
- * </p>
- * <p>
- * (Optional) You can pass tag key-value pairs to your session. These are called session tags. For more information about session tags, see Passing Session Tags in STS in the <i>IAM User Guide</i>.
- * </p>
- * <p>
- * An administrator must grant you the permissions necessary to pass session tags. The administrator can also create granular permissions to allow you to pass only specific session tags. For more information, see Tutorial: Using Tags for Attribute-Based Access Control in the <i>IAM User Guide</i>.
- * </p>
- * <p>
- * Tag key–value pairs are not case sensitive, but case is preserved. This means that you cannot have separate <code>Department</code> and <code>department</code> tag keys. Assume that the user that you are federating has the <code>Department</code>=<code>Marketing</code> tag and you pass the <code>department</code>=<code>engineering</code> session tag. <code>Department</code> and <code>department</code> are not saved as separate tags, and the session tag passed in the request takes precedence over the user tag.
- * </p>
- *
- * @param getFederationTokenRequest
- * @return A Java Future containing the result of the GetFederationToken operation returned by the service.
- * @sample AWSSecurityTokenServiceAsync.GetFederationToken
- * @see AWS API Documentation
- */

Found in path(s):

- * /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-jar/com/amazonaws/services/securitytoken/AWSSecurityTokenServiceAsync.java
- No license file was found, but licenses were detected in source scan.

```
/*
 * Copyright 2011-2021 Amazon Technologies, Inc.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at:
 *
```

```
*  
* http://aws.amazon.com/apache2.0  
*  
* This file is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES  
* OR CONDITIONS OF ANY KIND, either express or implied. See the  
* License for the specific language governing permissions and  
* limitations under the License.  
*/
```

Found in path(s):

```
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-  
jar/com/amazonaws/auth/STSSessionCredentialsProvider.java  
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-  
jar/com/amazonaws/auth/STSAssumeRoleSessionCredentialsProvider.java  
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-  
jar/com/amazonaws/auth/WebIdentityFederationSessionCredentialsProvider.java  
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-  
jar/com/amazonaws/auth/STSSessionCredentials.java  
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-  
jar/com/amazonaws/auth/NoSessionSupportCredentials.java
```

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

```
/*  
* Copyright 2016-2021 Amazon.com, Inc. or its affiliates. All Rights Reserved.  
*  
* Licensed under the Apache License, Version 2.0 (the "License"). You may not use this file except in compliance  
with  
* the License. A copy of the License is located at  
*  
* http://aws.amazon.com/apache2.0  
*  
* or in the "license" file accompanying this file. This file is distributed on an "AS IS" BASIS, WITHOUT  
WARRANTIES OR  
* CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing  
permissions  
* and limitations under the License.  
*/
```

Found in path(s):

```
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-  
jar/com/amazonaws/services/securitytoken/model/transform/CredentialsStaxUnmarshaller.java  
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-  
jar/com/amazonaws/services/securitytoken/model/FederatedUser.java  
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-  
jar/com/amazonaws/services/securitytoken/model/AWSSecurityTokenServiceException.java  
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-  
jar/com/amazonaws/services/securitytoken/model/transform/GetAccessKeyInfoRequestMarshaller.java  
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
```

```
jar/com/amazonaws/services/securitytoken/model/GetFederationTokenResult.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/GetSessionTokenRequest.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/AssumeRoleWithSAMLRequest.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/transform/PackedPolicyTooLargeExceptionUnmarshaller.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/transform/InvalidAuthorizationMessageExceptionUnmarshaller.ja
va
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/AbstractAWSecurityTokenService.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/AbstractAWSecurityTokenServiceAsync.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/transform/AssumeRoleWithSAMLResultStaxUnmarshaller.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/GetAccessKeyInfoResult.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/transform/TagStaxUnmarshaller.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/IDPRejectedClaimException.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/RegionDisabledException.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/GetAccessKeyInfoRequest.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/AWSecurityTokenServiceAsyncClientBuilder.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/transform/ExpiredTokenExceptionUnmarshaller.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/AssumeRoleRequest.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/transform/MalformedPolicyDocumentExceptionUnmarshaller.ja
va
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/transform/DecodeAuthorizationMessageRequestMarshaller.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/transform/AssumeRoleRequestMarshaller.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/transform/GetFederationTokenRequestMarshaller.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/transform/GetCallerIdentityRequestMarshaller.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/ExpiredTokenException.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/transform/AssumedRoleUserStaxUnmarshaller.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
```

```
jar/com/amazonaws/services/securitytoken/model/transform/AssumeRoleResultStaxUnmarshaller.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/GetSessionTokenResult.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/transform/RegionDisabledExceptionUnmarshaller.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/transform/IDPCommunicationErrorExceptionUnmarshaller.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/auth/policy/actions/SecurityTokenServiceActions.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/transform/AssumeRoleWithSAMLRequestMarshaller.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/PackedPolicyTooLargeException.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/AssumedRoleUser.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/AssumeRoleWithWebIdentityResult.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/DecodeAuthorizationMessageRequest.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/DecodeAuthorizationMessageResult.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/transform/AssumeRoleWithWebIdentityResultStaxUnmarshaller.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/AssumeRoleWithWebIdentityRequest.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/transform/FederatedUserStaxUnmarshaller.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/AWSSecurityTokenServiceClientBuilder.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/transform/PolicyDescriptorTypeStaxUnmarshaller.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/InvalidIdentityTokenException.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/transform/AssumeRoleWithWebIdentityRequestMarshaller.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/transform/GetAccessKeyInfoResultStaxUnmarshaller.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/GetCallerIdentityRequest.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/Tag.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/transform/DecodeAuthorizationMessageResultStaxUnmarshaller.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/transform/IDPRejectedClaimExceptionUnmarshaller.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
```

```
jar/com/amazonaws/services/securitytoken/model/GetCallerIdentityResult.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/transform/GetCallerIdentityResultStaxUnmarshaller.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/AWSSecurityTokenServiceAsyncClient.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/MalformedPolicyDocumentException.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/transform/GetSessionTokenResultStaxUnmarshaller.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/IDPCommunicationErrorException.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/InvalidAuthorizationMessageException.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/transform/GetSessionTokenRequestMarshaller.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/Credentials.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/AssumeRoleWithSAMLResult.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/package-info.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/AssumeRoleResult.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/transform/GetFederationTokenResultStaxUnmarshaller.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/transform/InvalidIdentityTokenExceptionUnmarshaller.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/model/PolicyDescriptorType.java
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Found in path(s):

```
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
```

```
jar/com/amazonaws/auth/policy/STActions.java
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* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/auth/SessionCredentialsProviderFactory.java
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```
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/services/securitytoken/RegionalEndpointsOptionResolver.java
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-
jar/com/amazonaws/auth/STSAssumeRoleWithWebIdentitySessionCredentialsProvider.java
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*/
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Found in path(s):

```
* /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-jar/com/amazonaws/services/securitytoken/internal/STSProfileCredentialsService.java
```

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* and limitations under the License.  
*/  
/**  
* <p>  
* An IAM policy in JSON format that you want to use as an inline session policy.  
* </p>  
* <p>  
* You must pass an inline or managed <a  
* href="https://docs.aws.amazon.com/IAM/latest/UserGuide/access_policies.html#policies_session">session  
* policy</a>  
* to this operation. You can pass a single JSON policy document to use as an inline session policy. You can also  
* specify up to 10 managed policies to use as managed session policies.  
* </p>  
* <p>  
* This parameter is optional. However, if you do not pass any session policies, then the resulting federated user  
* session has no permissions.  
* </p>  
* <p>
```

- * When you pass session policies, the session permissions are the intersection of the IAM user policies and the session policies that you pass. This gives you a way to further restrict the permissions for a federated user.
- * You cannot use session policies to grant more permissions than those that are defined in the permissions policy of the IAM user. For more information, see [Session Policies](https://docs.aws.amazon.com/IAM/latest/UserGuide/access_policies.html#policies_session) in the *IAM User Guide*.
- * </p>
- * <p>
 - * The resulting credentials can be used to access a resource that has a resource-based policy. If that policy specifically references the federated user session in the `Principal` element of the policy, the session has the permissions allowed by the policy. These permissions are granted in addition to the permissions that are granted by the session policies.
- * </p>
- * <p>
 - * The plaintext that you use for both inline and managed session policies can't exceed 2,048 characters. The JSON policy characters can be any ASCII character from the space character to the end of the valid character list (through \u00FF). It can also include the tab (), linefeed (), and carriage return () characters.
- * </p>
- * <note>
- * <p>
 - * An Amazon Web Services conversion compresses the passed session policies and session tags into a packed binary
 - * format that has a separate limit. Your request can fail for this limit even if your plaintext meets the other requirements. The `PackedPolicySize` response element indicates by percentage how close the policies
 - * and tags for your request are to the upper size limit.
- * </p>
- * </note>
- */

Found in path(s):

- * /opt/cola/permits/1207875586_1632817554.08/0/aws-java-sdk-sts-1-12-57-sources-jar/com/amazonaws/services/securitytoken/model/GetFederationTokenRequest.java

1.175 antlr-runtime 4.1

1.176 jakarta-persistence-api 2.2.3

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1.177 json-utils 2.18.41

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Andrey Derevyanko

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Chris Beckey

Christian Ivan

Dag Hovland

Damir Alibegovic

Dario Seidl

Davide D'Alto

Davide Marchignoli

Denis Tiago

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Federico Mancini
Gavin King
George Gastaldi
Gerhard Petracek
Guillaume Husta
Guillaume Smet
Gunnar Morling
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Jiri Bilek
Julien Furgerot
Julien May
Juraci Krohling
Justin Nauman
Kathryn Killebrew
Kazuki Shimizu
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1.179 spring-kafka 2.8.9

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1.184 netty-nio-client 2.17.4

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1.185 log4j-jul 2.17.2

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jar/io/netty/channel/group/ChannelGroupFutureListener.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/VoidChannelPromise.java
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* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-jar/io/netty/bootstrap/package-info.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-jar/io/netty/channel/local/LocalChannel.java
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* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-jar/io/netty/channel/ServerChannel.java
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jar/io/netty/channel/package-info.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/ChannelInboundHandlerAdapter.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/group/package-info.java
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jar/io/netty/channel/socket/DefaultServerSocketChannelConfig.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/oio/OioEventLoopGroup.java
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jar/io/netty/channel/ThreadPerChannelEventLoopGroup.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/nio/NioEventLoopGroup.java
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jar/io/netty/channel/oio/AbstractOioChannel.java
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* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/bootstrap/AbstractBootstrap.java
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jar/io/netty/channel/SingleThreadEventLoop.java
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jar/io/netty/channel/FailedChannelFuture.java
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jar/io/netty/channel/ChannelOutboundHandler.java
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jar/io/netty/channel/local/LocalEventLoopGroup.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/embedded/EmbeddedChannel.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/socket/DatagramPacket.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/ChannelDuplexHandler.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/Channel.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/socket/nio/ProtocolFamilyConverter.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/DefaultFileRegion.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/socket/nio/NioDatagramChannel.java
```

```
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/socket/nio/NioSocketChannel.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/nio/package-info.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/oio/AbstractOioMessageChannel.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/socket/DefaultDatagramChannelConfig.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/socket/nio/NioServerSocketChannel.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/ChannelInitializer.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/oio/AbstractOioByteChannel.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/nio/NioEventLoop.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/AbstractChannel.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/socket/InternetProtocolFamily.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/socket/DefaultSocketChannelConfig.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/ChannelHandlerContext.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/nio/AbstractNioMessageChannel.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/ChannelPipelineException.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/SucceededChannelFuture.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/socket/oio/OioDatagramChannel.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/socket/ServerSocketChannelConfig.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/socket/DatagramChannel.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/ChannelConfig.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/ChannelFutureListener.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/group/ChannelGroupFuture.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/FileRegion.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/bootstrap/Bootstrap.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/ChannelPromiseAggregator.java
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```
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/local/LocalChannelRegistry.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/DefaultEventLoop.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/ChannelException.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/nio/AbstractNioChannel.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/RecvByteBufAllocator.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/FixedRecvByteBufAllocator.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/socket/ChannelInputShutdownEvent.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/embedded/package-info.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/ChannelFlushPromiseNotifier.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/ChannelInboundHandler.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/EventLoop.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/MultithreadEventLoopGroup.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/AdaptiveRecvByteBufAllocator.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/EventLoopGroup.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/AbstractChannelHandlerContext.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/local/package-info.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/group/DefaultChannelGroupFuture.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/socket/oio/OioServerSocketChannel.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/AbstractServerChannel.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/ChannelOutboundHandlerAdapter.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/socket/oio/OioSocketChannel.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/EventLoopException.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/embedded/EmbeddedEventLoop.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/nio/AbstractNioByteChannel.java
```

```
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/ChannelPromise.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/ThreadPerChannelEventLoop.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/local/LocalAddress.java
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jar/io/netty/channel/socket/DuplexChannelConfig.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/StacklessClosedChannelException.java
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jar/io/netty/channel/EventLoopTaskQueueFactory.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/ExtendedClosedChannelException.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/ChannelHandlerMask.java
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jar/io/netty/channel/socket/nio/NioChannelOption.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/SimpleUserEventChannelHandler.java
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* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-jar/io/netty/channel/SelectStrategyFactory.java

* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-jar/io/netty/channel/group/VoidChannelGroupFuture.java

```
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/bootstrap/ServerBootstrapConfig.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/DefaultSelectStrategy.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/PreferHeapByteBufAllocator.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/WriteBufferWaterMark.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/SelectStrategy.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/ChannelInboundInvoker.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/ChannelOutboundInvoker.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/bootstrap/BootstrapConfig.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/bootstrap/AbstractBootstrapConfig.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/socket/DuplexChannel.java
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jar/io/netty/channel/DefaultMaxMessagesRecvByteBufAllocator.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/pool/ChannelPoolHandler.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/DefaultMaxBytesRecvByteBufAllocator.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/pool/ChannelHealthChecker.java
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```
jar/io/netty/channel/MaxMessagesRecvByteBufAllocator.java  
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-  
jar/io/netty/channel/pool/ChannelPool.java  
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jar/io/netty/channel/pool/ChannelPoolMap.java  
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jar/io/netty/channel/pool/package-info.java  
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jar/io/netty/channel/pool/AbstractChannelPoolMap.java  
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jar/io/netty/channel/pool/AbstractChannelPoolHandler.java  
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-  
jar/io/netty/channel/pool/SimpleChannelPool.java  
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-  
jar/io/netty/channel/MaxBytesRecvByteBufAllocator.java  
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jar/io/netty/channel/DefaultMessageSizeEstimator.java  
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jar/io/netty/channel/AbstractEventLoopGroup.java  
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jar/io/netty/channel/socket/oio/DefaultOioSocketChannelConfig.java  
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-  
jar/io/netty/channel/group/ChannelGroup.java  
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-  
jar/io/netty/channel/MessageSizeEstimator.java  
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-  
jar/io/netty/channel/ChannelOutboundBuffer.java  
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-  
jar/io/netty/channel/ChannelHandlerAdapter.java  
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-  
jar/io/netty/channel/group/DefaultChannelGroup.java  
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-  
jar/io/netty/channel/nio/SelectedSelectionKeySet.java  
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-  
jar/io/netty/channel/group/ChannelMatcher.java  
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-  
jar/io/netty/channel/socket/oio/OioServerSocketChannelConfig.java  
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-  
jar/io/netty/channel/ChannelProgressiveFutureListener.java  
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-  
jar/io/netty/channel/DefaultChannelProgressivePromise.java  
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-  
jar/io/netty/channel/ChannelId.java  
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-  
jar/io/netty/channel/ChannelProgressivePromise.java  
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-  
jar/io/netty/channel/socket/oio/OioSocketChannelConfig.java  
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-  
jar/io/netty/channel/DefaultAddressedEnvelope.java  
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-  
jar/io/netty/bootstrap/ChannelFactory.java  
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
```

```
jar/io/netty/channel/DefaultChannelId.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/ConnectTimeoutException.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/ChannelProgressiveFuture.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/socket/oio/DefaultOioServerSocketChannelConfig.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/group/ChannelMatchers.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/SimpleChannelInboundHandler.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/group/ChannelGroupException.java
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jar/io/netty/channel/ReflectiveChannelFactory.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/embedded/EmbeddedChannelId.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/ChannelFactory.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/PendingWriteQueue.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/AbstractEventLoop.java
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*/
/***
* Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
* its {@link ChannelPipeline}.
*
* <h3>Sub-types</h3>
* <p>
* {@link ChannelHandler} itself does not provide many methods, but you usually have to implement one of its
subtypes:
* <ul>
* <li>{@link ChannelInboundHandler} to handle inbound I/O events, and</li>
* <li>{@link ChannelOutboundHandler} to handle outbound I/O operations.</li>
* </ul>
* </p>
* <p>
* Alternatively, the following adapter classes are provided for your convenience:
* <ul>
* <li>{@link ChannelInboundHandlerAdapter} to handle inbound I/O events,</li>
* <li>{@link ChannelOutboundHandlerAdapter} to handle outbound I/O operations, and</li>
* <li>{@link ChannelDuplexHandler} to handle both inbound and outbound events</li>
* </ul>
* </p>
* <p>
* For more information, please refer to the documentation of each subtype.
* </p>
*
* <h3>The context object</h3>
* <p>
* A {@link ChannelHandler} is provided with a {@link ChannelHandlerContext}
object. A {@link ChannelHandler} is supposed to interact with the
{@link ChannelPipeline} it belongs to via a context object. Using the
context object, the {@link ChannelHandler} can pass events upstream or
downstream, modify the pipeline dynamically, or store the information
(using {@link AttributeKey}s) which is specific to the handler.
*
* <h3>State management</h3>
*
* A {@link ChannelHandler} often needs to store some stateful information.
* The simplest and recommended approach is to use member variables:
* <pre>
* public interface Message {
*   // your methods here
* }
*

```

```

* public class DataServerHandler extends {@link SimpleChannelInboundHandler}<Message> {
*
*     <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 a 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}<{@link Channel}> {
*
*     { @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}<Message> {
*     private final {@link AttributeKey}<{@link Boolean}> auth =
*         {@link AttributeKey#valueOf(String)} AttributeKey.valueOf("auth");
*
*     {@code @Override}
*     public void channelRead({@link ChannelHandlerContext} ctx, Message message) {
*         {@link Attribute}<{@link Boolean}> 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}<{@link Channel}> {
*
*     private static final DataServerHandler <b>SHARED</b> = new DataServerHandler();
*
*     {@code @Override}
*     public void initChannel({@link Channel} channel) {
*         channel.pipeline().addLast("handler", <b>SHARED</b>);
*     }
* }
* </pre>
*
*
* <h4>The {@code @Sharable} annotation</h4>
* <p>
* In the example above which used an {@link AttributeKey},
* you might have noticed the {@code @Sharable} annotation.
* <p>
* If a {@link ChannelHandler} is annotated with the {@code @Sharable}
* annotation, it means you can create an instance of the handler just once and
* add it to one or more {@link ChannelPipeline}s multiple times without
* a race condition.
* <p>
* If this annotation is not specified, you have to create a new handler
* instance every time you add it to a pipeline because it has unshared state

```

```
* such as member variables.  
* <p>  
* This annotation is provided for documentation purpose, just like  
* <a href="http://www.javaconcurrencyinpractice.com/annotations/doc/">the JCIP annotations</a>.  
*  
* <h3>Additional resources worth reading</h3>  
* <p>  
* Please refer to the {@link ChannelHandler}, and  
* {@link ChannelPipeline} to find out more about inbound and outbound operations,  
* what fundamental differences they have, how they flow in a pipeline, and how to handle  
* the operation in your application.  
*/
```

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```
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-  
jar/io/netty/channel/ChannelHandler.java
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jar/io/netty/channel/nio/SelectedSelectionKeySetSelector.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/socket/oio/DefaultOioDatagramChannelConfig.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/socket/ChannelOutputShutdownEvent.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/socket/oio/OioDatagramChannelConfig.java
```

```
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/socket/ChannelOutputShutdownException.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/DelegatingChannelPromiseNotifier.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/internal/package-info.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/socket/ChannelInputShutdownReadComplete.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/bootstrap/FailedChannel.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/internal/ChannelUtils.java
* /opt/cola/permits/1534587318_1673951590.419546/0/netty-transport-4-1-86-final-sources-1-
jar/io/netty/channel/PendingBytesTracker.java
```

1.187 spring-beans 5.3.23

1.187.1 Available under license :

Spring Framework 5.3.23

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1.188 json-smart 2.4.7

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Found in path(s):

* /opt/cola/permits/1209224814_1633027633.04/0/json-smart-2-4-7-sources-2-jar/net/minidev/json/parser/JSONParser.java
* /opt/cola/permits/1209224814_1633027633.04/0/json-smart-2-4-7-sources-2-jar/net/minidev/json/parser/JSONParserString.java
* /opt/cola/permits/1209224814_1633027633.04/0/json-smart-2-4-7-sources-2-jar/net/minidev/json/writer/JsonReaderI.java
* /opt/cola/permits/1209224814_1633027633.04/0/json-smart-2-4-7-sources-2-jar/net/minidev/json/parser/JSONParserBase.java
* /opt/cola/permits/1209224814_1633027633.04/0/json-smart-2-4-7-sources-2-jar/net/minidev/json/JSONNavi.java
* /opt/cola/permits/1209224814_1633027633.04/0/json-smart-2-4-7-sources-2-jar/net/minidev/json/writer/CollectionMapper.java
* /opt/cola/permits/1209224814_1633027633.04/0/json-smart-2-4-7-sources-2-jar/net/minidev/json/writer/CompessorMapper.java
* /opt/cola/permits/1209224814_1633027633.04/0/json-smart-2-4-7-sources-2-jar/net/minidev/json/writer/FakeMapper.java
* /opt/cola/permits/1209224814_1633027633.04/0/json-smart-2-4-7-sources-2-jar/net/minidev/json/parser/JSONParserInputStream.java
* /opt/cola/permits/1209224814_1633027633.04/0/json-smart-2-4-7-sources-2-jar/net/minidev/json/JStylerObj.java
* /opt/cola/permits/1209224814_1633027633.04/0/json-smart-2-4-7-sources-2-jar/net/minidev/json/JSONStyle.java
* /opt/cola/permits/1209224814_1633027633.04/0/json-smart-2-4-7-sources-2-jar/net/minidev/json/JSONArray.java
* /opt/cola/permits/1209224814_1633027633.04/0/json-smart-2-4-7-sources-2-jar/net/minidev/json/parser/JSONParserStream.java
* /opt/cola/permits/1209224814_1633027633.04/0/json-smart-2-4-7-sources-2-jar/net/minidev/json/writer/ArraysMapper.java
* /opt/cola/permits/1209224814_1633027633.04/0/json-smart-2-4-7-sources-2-jar/net/minidev/json/JSONAwareEx.java
* /opt/cola/permits/1209224814_1633027633.04/0/json-smart-2-4-7-sources-2-jar/net/minidev/json/writer/JsonReader.java
* /opt/cola/permits/1209224814_1633027633.04/0/json-smart-2-4-7-sources-2-jar/net/minidev/json/parser/ParseException.java
* /opt/cola/permits/1209224814_1633027633.04/0/json-smart-2-4-7-sources-2-jar/net/minidev/json/JsonValue.java
* /opt/cola/permits/1209224814_1633027633.04/0/json-smart-2-4-7-sources-2-jar/net/minidev/json/parser/JSONParserReader.java
* /opt/cola/permits/1209224814_1633027633.04/0/json-smart-2-4-7-sources-2-jar/net/minidev/json/writer/DefaultMapperCollection.java
* /opt/cola/permits/1209224814_1633027633.04/0/json-smart-2-4-7-sources-2-jar/net/minidev/json/JSONAware.java
* /opt/cola/permits/1209224814_1633027633.04/0/json-smart-2-4-7-sources-2-jar/net/minidev/json/JSONStreamAware.java

```
* /opt/cola/permits/1209224814_1633027633.04/0/json-smart-2-4-7-sources-2-
jar/net/minidev/json/JSONStreamAwareEx.java
* /opt/cola/permits/1209224814_1633027633.04/0/json-smart-2-4-7-sources-2-
jar/net/minidev/json/writer/DefaultMapperOrdered.java
* /opt/cola/permits/1209224814_1633027633.04/0/json-smart-2-4-7-sources-2-
jar/net/minidev/json/parser/JSONParserMemory.java
* /opt/cola/permits/1209224814_1633027633.04/0/json-smart-2-4-7-sources-2-
jar/net/minidev/json/parser/JSONParserByteArray.java
* /opt/cola/permits/1209224814_1633027633.04/0/json-smart-2-4-7-sources-2-
jar/net/minidev/json/JSONObject.java
* /opt/cola/permits/1209224814_1633027633.04/0/json-smart-2-4-7-sources-2-
jar/net/minidev/json/writer/BeansMapper.java
* /opt/cola/permits/1209224814_1633027633.04/0/json-smart-2-4-7-sources-2-jar/net/minidev/json/JSONUtil.java
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Found in path(s):

```
* /opt/cola/permits/1209224814_1633027633.04/0/json-smart-2-4-7-sources-2-jar/META-
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Found in path(s):

```
* /opt/cola/permits/1209224814_1633027633.04/0/json-smart-2-4-7-sources-2-
jar/net/minidev/json/writer/DefaultMapper.java
```

1.189 netty-nio-client 2.17.217

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jar/io/netty/resolver/DefaultAddressResolverGroup.java
* /opt/cola/permits/1534587343_1673951701.486712/0/netty-resolver-4-1-86-final-sources-1-
jar/io/netty/resolver/AbstractAddressResolver.java
```

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```
* /opt/cola/permits/1534587343_1673951701.486712/0/netty-resolver-4-1-86-final-sources-1-
jar/io/netty/resolver/package-info.java
* /opt/cola/permits/1534587343_1673951701.486712/0/netty-resolver-4-1-86-final-sources-1-
jar/io/netty/resolver/NameResolver.java
* /opt/cola/permits/1534587343_1673951701.486712/0/netty-resolver-4-1-86-final-sources-1-
jar/io/netty/resolver/NoopAddressResolverGroup.java
* /opt/cola/permits/1534587343_1673951701.486712/0/netty-resolver-4-1-86-final-sources-1-
jar/io/netty/resolver/AddressResolverGroup.java
* /opt/cola/permits/1534587343_1673951701.486712/0/netty-resolver-4-1-86-final-sources-1-
jar/io/netty/resolver/NoopAddressResolver.java
* /opt/cola/permits/1534587343_1673951701.486712/0/netty-resolver-4-1-86-final-sources-1-
jar/io/netty/resolver/SimpleNameResolver.java
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```
* /opt/cola/permits/1534587343_1673951701.486712/0/netty-resolver-4-1-86-final-sources-1-
jar/io/netty/resolver/ResolvedAddressTypes.java
* /opt/cola/permits/1534587343_1673951701.486712/0/netty-resolver-4-1-86-final-sources-1-
jar/io/netty/resolver/HostsFileEntries.java
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Found in path(s):

```
* /opt/cola/permits/1534587343_1673951701.486712/0/netty-resolver-4-1-86-final-sources-1-
jar/io/netty/resolver/RoundRobinInetAddressResolver.java
```

1.195 okio 1.17.2

1.196 zstd 1.5.0

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```
* /opt/cola/permits/1260554980_1643172624.09/0/jedis-3-7-1-sources-jar/redis/clients/jedis/util/MurmurHash.java
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* /opt/cola/permits/1260554980_1643172624.09/0/jedis-3-7-1-sources-jar/redis/clients/jedis/util/RedisInputStream.java

1.198 spring-data-commons 2.6.6

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jar/com/amazonaws/services/sqs/model/TagQueueRequest.java
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* /opt/cola/permits/1262347504_1643390976.77/0/aws-java-sdk-sqs-1-12-57-sources-
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jar/com/amazonaws/services/sqs/model/UnsupportedOperationException.java
* /opt/cola/permits/1262347504_1643390976.77/0/aws-java-sdk-sqs-1-12-57-sources-
jar/com/amazonaws/services/sqs/model/ChangeMessageVisibilityBatchRequestEntry.java
* /opt/cola/permits/1262347504_1643390976.77/0/aws-java-sdk-sqs-1-12-57-sources-
jar/com/amazonaws/services/sqs/model/UntagQueueRequest.java
* /opt/cola/permits/1262347504_1643390976.77/0/aws-java-sdk-sqs-1-12-57-sources-
jar/com/amazonaws/services/sqs/model/transform/ListQueuesResultStaxUnmarshaller.java
* /opt/cola/permits/1262347504_1643390976.77/0/aws-java-sdk-sqs-1-12-57-sources-
jar/com/amazonaws/services/sqs/model/DeleteMessageBatchResultEntry.java
* /opt/cola/permits/1262347504_1643390976.77/0/aws-java-sdk-sqs-1-12-57-sources-
jar/com/amazonaws/services/sqs/AmazonSQSAsyncClient.java
* /opt/cola/permits/1262347504_1643390976.77/0/aws-java-sdk-sqs-1-12-57-sources-
jar/com/amazonaws/services/sqs/model/GetQueueAttributesRequest.java
* /opt/cola/permits/1262347504_1643390976.77/0/aws-java-sdk-sqs-1-12-57-sources-
jar/com/amazonaws/services/sqs/model/transform/ChangeMessageVisibilityBatchRequestEntryStaxUnmarshaller.ja
va
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```
* /opt/cola/permits/1262347504_1643390976.77/0/aws-java-sdk-sqs-1-12-57-sources-  
jar/com/amazonaws/auth/policy/resources/SQSQueueResource.java  
* /opt/cola/permits/1262347504_1643390976.77/0/aws-java-sdk-sqs-1-12-57-sources-  
jar/com/amazonaws/services/sqs/AmazonSQSClientConfigurationFactory.java  
* /opt/cola/permits/1262347504_1643390976.77/0/aws-java-sdk-sqs-1-12-57-sources-  
jar/com/amazonaws/services/sqs/QueueUrlHandler.java  
* /opt/cola/permits/1262347504_1643390976.77/0/aws-java-sdk-sqs-1-12-57-sources-  
jar/com/amazonaws/services/sqs/MessageMD5ChecksumHandler.java
```

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```
* /opt/cola/permits/1262347504_1643390976.77/0/aws-java-sdk-sqs-1-12-57-sources-  
jar/com/amazonaws/services/sqs/buffered/QueueBuffer.java  
* /opt/cola/permits/1262347504_1643390976.77/0/aws-java-sdk-sqs-1-12-57-sources-  
jar/com/amazonaws/services/sqs/buffered/QueueBufferCallback.java  
* /opt/cola/permits/1262347504_1643390976.77/0/aws-java-sdk-sqs-1-12-57-sources-  
jar/com/amazonaws/services/sqs/buffered/ReceiveQueueBuffer.java  
* /opt/cola/permits/1262347504_1643390976.77/0/aws-java-sdk-sqs-1-12-57-sources-  
jar/com/amazonaws/services/sqs/buffered/QueueBufferFuture.java  
* /opt/cola/permits/1262347504_1643390976.77/0/aws-java-sdk-sqs-1-12-57-sources-  
jar/com/amazonaws/services/sqs/buffered/QueueBufferConfig.java
```

```
* /opt/cola/permits/1262347504_1643390976.77/0/aws-java-sdk-sqs-1-12-57-sources-jar/com/amazonaws/services/sqs/internal/SQSRequestHandler.java  
* /opt/cola/permits/1262347504_1643390976.77/0/aws-java-sdk-sqs-1-12-57-sources-jar/com/amazonaws/services/sqs/buffered/AmazonSQSBufferedAsyncClient.java  
* /opt/cola/permits/1262347504_1643390976.77/0/aws-java-sdk-sqs-1-12-57-sources-jar/com/amazonaws/services/sqs/buffered/ResultConverter.java  
* /opt/cola/permits/1262347504_1643390976.77/0/aws-java-sdk-sqs-1-12-57-sources-jar/com/amazonaws/services/sqs/buffered/SendQueueBuffer.java
```

1.201 spring-hateoas 1.4.4

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Spring HATEOAS 0.22

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1.202 j2objc-annotations 1.3

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```
* /opt/cola/permits/1000890861_1651084689.86/0/j2objc-annotations-1-3-sources-
jar/com/google/j2objc/annotations/RetainedWith.java
* /opt/cola/permits/1000890861_1651084689.86/0/j2objc-annotations-1-3-sources-
jar/com/google/j2objc/annotations/ReflectionSupport.java
* /opt/cola/permits/1000890861_1651084689.86/0/j2objc-annotations-1-3-sources-
jar/com/google/j2objc/annotations/RetainedLocalRef.java
* /opt/cola/permits/1000890861_1651084689.86/0/j2objc-annotations-1-3-sources-
jar/com/google/j2objc/annotations/Property.java
* /opt/cola/permits/1000890861_1651084689.86/0/j2objc-annotations-1-3-sources-
jar/com/google/j2objc/annotations/LoopTranslation.java
* /opt/cola/permits/1000890861_1651084689.86/0/j2objc-annotations-1-3-sources-
jar/com/google/j2objc/annotations/J2ObjCIncompatible.java
* /opt/cola/permits/1000890861_1651084689.86/0/j2objc-annotations-1-3-sources-
jar/com/google/j2objc/annotations/ObjectiveCName.java
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```
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jar/com/google/j2objc/annotations/Weak.java  
* /opt/cola/permits/1000890861_1651084689.86/0/j2objc-annotations-1-3-sources-  
jar/com/google/j2objc/annotations/AutoreleasePool.java  
* /opt/cola/permits/1000890861_1651084689.86/0/j2objc-annotations-1-3-sources-  
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1.203 utils 2.17.4

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1.205 jackson-dataformat-yaml 2.13.4

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1.206 commons-lang3 3.12.0

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1.207 spring-web 5.3.23

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* Author: Jim Fulton, MIT The Open Group

*

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*

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1.212 json-java 20220320

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```
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xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">
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```

```

<groupId>org.json</groupId>
<artifactId>json</artifactId>
<version>20220320</version>
<packaging>bundle</packaging>

<name>JSON in Java</name>
<description>
    JSON is a light-weight, language independent, data interchange format.
    See http://www.JSON.org/

```

The files in this package implement JSON encoders/decoders in Java.
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```

</description>
<url>https://github.com/douglascrockford/JSON-java</url>

<parent>
    <groupId>org.sonatype.oss</groupId>
    <artifactId>oss-parent</artifactId>
    <version>9</version>
</parent>

<scm>
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<licenses>
    <license>
        <name>The JSON License</name>
        <url>http://json.org/license.html</url>
        <distribution>repo</distribution>
        <comments>Copyright (c) 2002 JSON.org

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<developers>

<developer>

<name>Douglas Crockford</name>

<email>douglas@crockford.com</email>

</developer>

</developers>

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            <id>sign-artifacts</id>
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            </goals>
        </execution>
    </executions>
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        <autoReleaseAfterClose>false</autoReleaseAfterClose>
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    <artifactId>maven-jar-plugin</artifactId>
    <version>3.2.0</version>
    <configuration>
        <archive>
            <manifestEntries>
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            </manifestEntries>
        </archive>
    </configuration>
</plugin>

```

```
</plugins>
</build>
</project>
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Found in path(s):

```
* /opt/cola/permits/1301334072_1649297165.22/0/json-20220320-jar/META-INF/maven/org.json/json/pom.xml
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```

Manifest-Version: 1.0

Automatic-Module-Name: org.json

Bnd-LastModified: 1647787045470

Build-Jdk: 1.8.0_271

Built-By: stlea

Bundle-Description: JSON is a light-weight, language independent, data interchange format. See <http://www.JSON.org/> The files in this package implement JSON encoders/decoders in Java. It also includes the capability to convert between JSON and XML, HTTP headers, Cookies, and CDL. This is a reference implementation. There is a large number of JSON packages in Java. Perhaps someday the Java community will standardize on one. Until then, choose carefully. The license includes this restriction: "The software shall be used for good, not evil." If your conscience cannot live with that, then choose a different package.

Bundle-License: <http://json.org/license.html>

Bundle-ManifestVersion: 2

Bundle-Name: JSON in Java

Bundle-SymbolicName: json

Bundle-Version: 20220320.0.0

Created-By: Apache Maven Bundle Plugin

Export-Package: org.json;version="20220320.0.0"

Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.6))"

Tool: Bnd-3.0.0.201509101326

Found in path(s):

```
* /opt/cola/permits/1301334072_1649297165.22/0/json-20220320-jar/META-INF/MANIFEST.MF
```

1.213 aws-query-protocol 2.18.41

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1.214 jmespath-java 1.12.57

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Found in path(s):

* /opt/cola/permits/1261985881_1643339957.83/0/jmespath-java-1-12-57-sources-jar/META-INF/maven/com.amazonaws/jmespath-java/pom.xml

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```
* /opt/cola/permits/1261985881_1643339957.83/0/jmespath-java-1-12-57-sources-  
jar/com/amazonaws/jmespath/Comparator.java  
* /opt/cola/permits/1261985881_1643339957.83/0/jmespath-java-1-12-57-sources-  
jar/com/amazonaws/jmespath/JmesPathVisitor.java  
* /opt/cola/permits/1261985881_1643339957.83/0/jmespath-java-1-12-57-sources-  
jar/com/amazonaws/jmespath/OpGreaterThanOrEqualTo.java  
* /opt/cola/permits/1261985881_1643339957.83/0/jmespath-java-1-12-57-sources-  
jar/com/amazonaws/jmespath/JmesPathContainsFunction.java  
* /opt/cola/permits/1261985881_1643339957.83/0/jmespath-java-1-12-57-sources-  
jar/com/amazonaws/jmespath/JmesPathFilter.java  
* /opt/cola/permits/1261985881_1643339957.83/0/jmespath-java-1-12-57-sources-  
jar/com/amazonaws/jmespath/JmesPathNotExpression.java  
* /opt/cola/permits/1261985881_1643339957.83/0/jmespath-java-1-12-57-sources-  
jar/com/amazonaws/jmespath/JmesPathField.java  
* /opt/cola/permits/1261985881_1643339957.83/0/jmespath-java-1-12-57-sources-  
jar/com/amazonaws/jmespath/OpGreaterThan.java  
* /opt/cola/permits/1261985881_1643339957.83/0/jmespath-java-1-12-57-sources-  
jar/com/amazonaws/jmespath/JmesPathEvaluationVisitor.java  
* /opt/cola/permits/1261985881_1643339957.83/0/jmespath-java-1-12-57-sources-  
jar/com/amazonaws/jmespath/InvalidTypeException.java  
* /opt/cola/permits/1261985881_1643339957.83/0/jmespath-java-1-12-57-sources-  
jar/com/amazonaws/jmespath/CamelCaseUtils.java  
* /opt/cola/permits/1261985881_1643339957.83/0/jmespath-java-1-12-57-sources-  
jar/com/amazonaws/jmespath/ObjectMapperSingleton.java  
* /opt/cola/permits/1261985881_1643339957.83/0/jmespath-java-1-12-57-sources-  
jar/com/amazonaws/jmespath/OpLessThanOrEqualTo.java  
* /opt/cola/permits/1261985881_1643339957.83/0/jmespath-java-1-12-57-sources-  
jar/com/amazonaws/jmespath/JmesPathProjection.java  
* /opt/cola/permits/1261985881_1643339957.83/0/jmespath-java-1-12-57-sources-  
jar/com/amazonaws/jmespath/JmesPathAndExpression.java  
* /opt/cola/permits/1261985881_1643339957.83/0/jmespath-java-1-12-57-sources-  
jar/com/amazonaws/jmespath/OpEquals.java  
* /opt/cola/permits/1261985881_1643339957.83/0/jmespath-java-1-12-57-sources-  
jar/com/amazonaws/jmespath/JmesPathLiteral.java
```

```
* /opt/cola/permits/1261985881_1643339957.83/0/jmespath-java-1-12-57-sources-jar/com/amazonaws/jmespath/OpLessThan.java
* /opt/cola/permits/1261985881_1643339957.83/0/jmespath-java-1-12-57-sources-jar/com/amazonaws/jmespath/JmesPathFlatten.java
* /opt/cola/permits/1261985881_1643339957.83/0/jmespath-java-1-12-57-sources-jar/com/amazonaws/jmespath/OpNotEquals.java
* /opt/cola/permits/1261985881_1643339957.83/0/jmespath-java-1-12-57-sources-jar/com/amazonaws/jmespath/JmesPathIdentity.java
* /opt/cola/permits/1261985881_1643339957.83/0/jmespath-java-1-12-57-sources-jar/com/amazonaws/jmespath/JmesPathValueProjection.java
* /opt/cola/permits/1261985881_1643339957.83/0/jmespath-java-1-12-57-sources-jar/com/amazonaws/jmespath/NumericComparator.java
* /opt/cola/permits/1261985881_1643339957.83/0/jmespath-java-1-12-57-sources-jar/com/amazonaws/jmespath/JmesPathMultiSelectList.java
* /opt/cola/permits/1261985881_1643339957.83/0/jmespath-java-1-12-57-sources-jar/com/amazonaws/jmespath/JmesPathLengthFunction.java
* /opt/cola/permits/1261985881_1643339957.83/0/jmespath-java-1-12-57-sources-jar/com/amazonaws/jmespath/JmesPathSubExpression.java
* /opt/cola/permits/1261985881_1643339957.83/0/jmespath-java-1-12-57-sources-jar/com/amazonaws/jmespath/JmesPathExpression.java
* /opt/cola/permits/1261985881_1643339957.83/0/jmespath-java-1-12-57-sources-jar/com/amazonaws/jmespath/JmesPathFunction.java
```

1.215 netty-codec-http 4.1.86.Final

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```
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-jar/io/netty/handler/codec/http/HttpMessageDecoderResult.java
```

```
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/CompressionEncoderFactory.java
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```
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/cors/CorsConfigBuilder.java
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jar/io/netty/handler/codec/http/websocketx/WebSocket08FrameDecoder.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/WebSocket07FrameDecoder.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/WebSocket13FrameDecoder.java
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jar/io/netty/handler/codec/http/websocketx/WebSocketChunkedInput.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/HttpServerKeepAliveHandler.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/multipart/FileUploadUtil.java
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jar/io/netty/handler/codec/http/websocketx/Utf8FrameValidator.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/extensions/package-info.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/rtsp/RtspHeaderNames.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/spdy/SpdyHeaderBlockDecoder.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/HttpHeadersEncoder.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/spdy/SpdyHeaderBlockRawDecoder.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/spdy/SpdyFrameDecoderDelegate.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerMessageDeflateDecoder.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/DeflateDecoder.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/HttpHeaderNames.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/DeflateFrameServerExtensionHandshaker.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtension.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/DeflateFrameClientExtensionHandshaker.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/ClientCookieEncoder.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerMessageDeflateServerExtensionHandshaker.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionEncoder.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/rtsp/RtspHeaderValue.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketClientExtensionHandler.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/DeflateEncoder.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionDecoder.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerFrameDeflateEncoder.java
```

```
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/spdy/SpdyFrameCodec.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/spdy/SpdyFrameDecoder.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/HttpMessageUtil.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketServerExtensionHandshaker.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/WebSocketClientCompressionHandler.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/spdy/SpdyFrameEncoder.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/spdy/SpdyProtocolException.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/package-info.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/ServerCookieEncoder.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketServerExtensionHandler.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketClientExtension.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/HttpChunkedInput.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/WebSocketServerCompressionHandler.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketClientExtensionHandshaker.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketServerExtension.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/HttpStatusClass.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/HttpHeaderValues.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/spdy/SpdyHeaderBlockZlibDecoder.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionUtil.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerFrameDeflateDecoder.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerMessageDeflateClientExtensionHandshaker.j-
ava
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerMessageDeflateEncoder.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionData.java
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* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/WebSocket08FrameEncoder.java
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jar/io/netty/handler/codec/http/websocketx/WebSocket07FrameEncoder.java

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jar/io/netty/handler/codec/http/HttpServerExpectContinueHandler.java
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jar/io/netty/handler/codec/rtsp/RtspEncoder.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/rtsp/RtspDecoder.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/cookie/ClientCookieDecoder.java
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jar/io/netty/handler/codec/http/cookie/ClientCookieEncoder.java
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jar/io/netty/handler/codec/http/cookie/package-info.java
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jar/io/netty/handler/codec/http/HttpScheme.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/cookie/ServerCookieEncoder.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/cookie/CookieEncoder.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/CombinedHttpHeaders.java
```

```
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/CookieUtil.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/ServerCookieDecoder.java
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jar/io/netty/handler/codec/http/HttpUtil.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/cookie/CookieDecoder.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/EmptyHttpHeaders.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/cookie/DefaultCookie.java
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jar/io/netty/handler/codec/http/cookie/CookieUtil.java
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jar/io/netty/handler/codec/spdy/SpdyHeaderBlockEncoder.java
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jar/io/netty/handler/codec/spdy/SpdySettingsFrame.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/FullHttpRequest.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/spdy/SpdyHttpDecoder.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/WebSocketClientProtocolHandshakeHandler.java
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jar/io/netty/handler/codec/spdy/SpdyGoAwayFrame.java  
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-  
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* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-  
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* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-  
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jar/io/netty/handler/codec/spdy/DefaultSpdyWindowUpdateFrame.java  
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jar/io/netty/handler/codec/spdy/SpdyFrame.java  
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-  
jar/io/netty/handler/codec/spdy/SpdySynReplyFrame.java  
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-  
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* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-  
jar/io/netty/handler/codec/http/websocketx/WebSocketProtocolHandler.java  
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-  
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* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-  
jar/io/netty/handler/codec/spdy/SpdyStreamFrame.java  
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jar/io/netty/handler/codec/http/websocketx/WebSocketFrameEncoder.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
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* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/ComposedLastHttpContent.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/spdy/SpdyHeaderBlockJZlibEncoder.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
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* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/spdy/SpdyHeaderBlockRawEncoder.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/spdy/SpdyVersion.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/spdy/DefaultSpdySynReplyFrame.java
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jar/io/netty/handler/codec/http/websocketx/WebSocketClientHandshakeException.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshakeException.java
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* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionFilter.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker00.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/CorruptedWebSocketFrameException.java
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jar/io/netty/handler/codec/http/websocketx/WebSocketServerProtocolHandler.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/WebSocketServerProtocolHandshakeHandler.java
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jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshakerFactory.java
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jar/io/netty/handler/codec/http/websocketx/WebSocketServerProtocolConfig.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
```

```
jar!/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionFilterProvider.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar!/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker07.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar!/io/netty/handler/codec/http/websocketx/WebSocketDecoderConfig.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar!/io/netty/handler/codec/http/websocketx/WebSocket00FrameDecoder.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar!/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker08.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar!/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker13.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar!/io/netty/handler/codec/http/websocketx/WebSocketCloseStatus.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar!/io/netty/handler/codec/http/websocketx/WebSocketClientProtocolConfig.java
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jar!/io/netty/handler/codec/http/HttpServerUpgradeHandler.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
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* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/DefaultHttpObject.java
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jar/io/netty/handler/codec/http/multipart/InterfaceHttpPostRequestDecoder.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
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* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/multipart/HttpPostRequestEncoder.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/HttpResponseDecoder.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/HttpServerCodec.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/TextWebSocketFrame.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/multipart/MixedAttribute.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/multipart/CaseIgnoringComparator.java
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jar/io/netty/handler/codec/http/websocketx/ContinuationWebSocketFrame.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/rtsp/RtspResponseStatuses.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/WebSocketClientHandshaker13.java
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jar/io/netty/handler/codec/rtsp/RtspHeaders.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/HttpObjectAggregator.java
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jar/io/netty/handler/codec/spdy/SpdyHttpEncoder.java
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jar/io/netty/handler/codec/rtsp/RtspObjectDecoder.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/multipart/AbstractMemoryHttpData.java
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jar/io/netty/handler/codec/spdy/DefaultSpdySettingsFrame.java
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* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-jar/io/netty/handler/codec/http/websocketx/WebSocketClientHandshaker.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-jar/io/netty/handler/codec/http/DefaultHttpRequest.java
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* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-jar/io/netty/handler/codec/http/DefaultHttpContent.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-jar/io/netty/handler/codec/rtsps/RtspMethods.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-jar/io/netty/handler/codec/http/multipart/Attribute.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-jar/io/netty/handler/codec/http/multipart/MemoryAttribute.java
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* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-jar/io/netty/handler/codec/http/websocketx/WebSocketFrame.java
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* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-jar/io/netty/handler/codec/http/HttpHeaderDateFormat.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-jar/io/netty/handler/codec/http/HttpMessage.java

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* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
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* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/rtsp/RtspRequestDecoder.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/HttpResponseStatus.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/PongWebSocketFrame.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/multipart/HttpData.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/HttpClientCodec.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/multipart/MixedFileUpload.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/multipart/DiskAttribute.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/HttpContentDecompressor.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/HttpObjectEncoder.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/multipart/AbstractHttpData.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/WebSocketClientHandshakerFactory.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/WebSocket00FrameEncoder.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/multipart/InterfaceHttpData.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/rtsp/RtspObjectEncoder.java
```

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* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/WebSocketClientHandshaker07.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/LastHttpContent.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/WebSocketUtil.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/multipart/HttpPostRequestDecoder.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/spdy/SpdySession.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/multipart/InternalAttribute.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/package-info.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/spdy/SpdyHttpResponseStreamIdHandler.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/QueryStringDecoder.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/WebSocketVersion.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/HttpRequestDecoder.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/HttpContentEncoder.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/HttpResponse.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/DefaultHttpResponse.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/HttpMethod.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/package-info.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/CookieDecoder.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/HttpHeaders.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/DefaultLastHttpContent.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/spdy/package-info.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/http/multipart/HttpPostStandardRequestDecoder.java
* /opt/cola/permits/1534587317_1673951645.1551094/0/netty-codec-http-4-1-86-final-sources-1-
jar/io/netty/handler/codec/rtp/package-info.java
```

1.216 auto-value-annotations 1.6.2

1.217 spring-tx 5.3.22

1.217.1 Available under license :

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1.218 commons-codec 1.15

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1.222 retrofit 2.9.0

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* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/http/Body.java
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```
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/Retrofit.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-
jar/retrofit2/RequestBuilder.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/Callback.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/Converter.java
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jar/retrofit2/KotlinExtensions.kt
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/Invocation.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-
jar/retrofit2/internal/EverythingIsNonNull.java
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```
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/http/HEAD.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-
jar/retrofit2/http/FormUrlEncoded.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/http/PUT.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-
jar/retrofit2/http/Multipart.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/http/Header.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/http/GET.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/http/Field.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-
jar/retrofit2/http/DELETE.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-
jar/retrofit2/http/QueryName.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/http/Query.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/http/Path.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/http/POST.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/Platform.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/http/HTTP.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-
jar/retrofit2/http/Headers.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-
jar/retrofit2/http/PATCH.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/http/Part.java
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* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/http/Url.java  
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/OkHttpCall.java  
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-  
jar/retrofit2/BuiltInConverters.java  
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/Response.java  
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-  
jar/retrofit2/http/OPTIONS.java  
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-  
jar/retrofit2/HttpServiceMethod.java  
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/Call.java  
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-  
jar/retrofit2/DefaultCallAdapterFactory.java  
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-  
jar/retrofit2/ParameterHandler.java  
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-  
jar/retrofit2/ServiceMethod.java  
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-  
jar/retrofit2/RequestFactory.java  
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/CallAdapter.java
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* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-  
jar/retrofit2/SkipCallbackExecutorImpl.java  
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-  
jar/retrofit2/SkipCallbackExecutor.java
```

```
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/http/Tag.java
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jar/retrofit2/CompletableFutureCallAdapterFactory.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-
jar/retrofit2/http/HeaderMap.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-
jar/retrofit2/HttpException.java
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jar/retrofit2/http/FieldMap.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-
jar/retrofit2/http/PartMap.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-
jar/retrofit2/http/Streaming.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-
jar/retrofit2/http/QueryMap.java
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1.223 jackson-datatype-jsr310 2.13.4

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* /opt/cola/permits/1262347488_1643390979.06/0/aws-java-sdk-cloudwatch-1-12-57-sources-
jar/com/amazonaws/services/cloudwatch/model/transform/StatisticSetStaxUnmarshaller.java
* /opt/cola/permits/1262347488_1643390979.06/0/aws-java-sdk-cloudwatch-1-12-57-sources-
jar/com/amazonaws/services/cloudwatch/model/transform/AlarmHistoryItemStaxUnmarshaller.java
* /opt/cola/permits/1262347488_1643390979.06/0/aws-java-sdk-cloudwatch-1-12-57-sources-
jar/com/amazonaws/services/cloudwatch/model/StatisticSet.java
* /opt/cola/permits/1262347488_1643390979.06/0/aws-java-sdk-cloudwatch-1-12-57-sources-
jar/com/amazonaws/services/cloudwatch/model/InvalidNextTokenException.java
* /opt/cola/permits/1262347488_1643390979.06/0/aws-java-sdk-cloudwatch-1-12-57-sources-
```

```
jar/com/amazonaws/services/cloudwatch/model/transform/TagResourceRequestMarshaller.java
* /opt/cola/permits/1262347488_1643390979.06/0/aws-java-sdk-cloudwatch-1-12-57-sources-
jar/com/amazonaws/services/cloudwatch/model/Dimension.java
* /opt/cola/permits/1262347488_1643390979.06/0/aws-java-sdk-cloudwatch-1-12-57-sources-
jar/com/amazonaws/services/cloudwatch/model/transform/ListMetricStreamsRequestMarshaller.java
* /opt/cola/permits/1262347488_1643390979.06/0/aws-java-sdk-cloudwatch-1-12-57-sources-
jar/com/amazonaws/services/cloudwatch/model/PutMetricStreamResult.java
* /opt/cola/permits/1262347488_1643390979.06/0/aws-java-sdk-cloudwatch-1-12-57-sources-
jar/com/amazonaws/services/cloudwatch/model/transform/DeleteInsightRulesResultStaxUnmarshaller.java
* /opt/cola/permits/1262347488_1643390979.06/0/aws-java-sdk-cloudwatch-1-12-57-sources-
jar/com/amazonaws/services/cloudwatch/model/transform/GetMetricDataRequestMarshaller.java
* /opt/cola/permits/1262347488_1643390979.06/0/aws-java-sdk-cloudwatch-1-12-57-sources-
jar/com/amazonaws/services/cloudwatch/model/transform/MetricStreamEntryStaxUnmarshaller.java
* /opt/cola/permits/1262347488_1643390979.06/0/aws-java-sdk-cloudwatch-1-12-57-sources-
jar/com/amazonaws/services/cloudwatch/model/StateValue.java
* /opt/cola/permits/1262347488_1643390979.06/0/aws-java-sdk-cloudwatch-1-12-57-sources-
jar/com/amazonaws/services/cloudwatch/model/transform/PutDashboardRequestMarshaller.java
* /opt/cola/permits/1262347488_1643390979.06/0/aws-java-sdk-cloudwatch-1-12-57-sources-
jar/com/amazonaws/services/cloudwatch/model>ListTagsForResourceRequest.java
* /opt/cola/permits/1262347488_1643390979.06/0/aws-java-sdk-cloudwatch-1-12-57-sources-
jar/com/amazonaws/services/cloudwatch/model/MessageData.java
* /opt/cola/permits/1262347488_1643390979.06/0/aws-java-sdk-cloudwatch-1-12-57-sources-
jar/com/amazonaws/services/cloudwatch/model/CompositeAlarm.java
* /opt/cola/permits/1262347488_1643390979.06/0/aws-java-sdk-cloudwatch-1-12-57-sources-
jar/com/amazonaws/services/cloudwatch/model/transform/InvalidParameterCombinationExceptionUnmarshaller.java
a
* /opt/cola/permits/1262347488_1643390979.06/0/aws-java-sdk-cloudwatch-1-12-57-sources-
jar/com/amazonaws/services/cloudwatch/model/transform/ListMetricsResultStaxUnmarshaller.java
* /opt/cola/permits/1262347488_1643390979.06/0/aws-java-sdk-cloudwatch-1-12-57-sources-
jar/com/amazonaws/services/cloudwatch/model/DeleteMetricStreamResult.java
* /opt/cola/permits/1262347488_1643390979.06/0/aws-java-sdk-cloudwatch-1-12-57-sources-
jar/com/amazonaws/services/cloudwatch/model/DisableAlarmActionsRequest.java
* /opt/cola/permits/1262347488_1643390979.06/0/aws-java-sdk-cloudwatch-1-12-57-sources-
jar/com/amazonaws/services/cloudwatch/model/transform/DashboardNotFoundErrorExceptionUnmarshaller.java
* /opt/cola/permits/1262347488_1643390979.06/0/aws-java-sdk-cloudwatch-1-12-57-sources-
jar/com/amazonaws/services/cloudwatch/model/DescribeAlarmHistoryResult.java
* /opt/cola/permits/1262347488_1643390979.06/0/aws-java-sdk-cloudwatch-1-12-57-sources-
jar/com/amazonaws/services/cloudwatch/model/transform/DisableAlarmActionsRequestMarshaller.java
* /opt/cola/permits/1262347488_1643390979.06/0/aws-java-sdk-cloudwatch-1-12-57-sources-
jar/com/amazonaws/services/cloudwatch/model/transform/InvalidParameterValueExceptionUnmarshaller.java
* /opt/cola/permits/1262347488_1643390979.06/0/aws-java-sdk-cloudwatch-1-12-57-sources-
jar/com/amazonaws/services/cloudwatch/model/StatusCode.java
* /opt/cola/permits/1262347488_1643390979.06/0/aws-java-sdk-cloudwatch-1-12-57-sources-
jar/com/amazonaws/services/cloudwatch/model/transform/DescribeAlarmsRequestMarshaller.java
* /opt/cola/permits/1262347488_1643390979.06/0/aws-java-sdk-cloudwatch-1-12-57-sources-
jar/com/amazonaws/services/cloudwatch/model/RecentlyActive.java
* /opt/cola/permits/1262347488_1643390979.06/0/aws-java-sdk-cloudwatch-1-12-57-sources-
jar/com/amazonaws/services/cloudwatch/model/MetricStreamOutputFormat.java
```

```
* /opt/cola/permits/1262347488_1643390979.06/0/aws-java-sdk-cloudwatch-1-12-57-sources-jar/com/amazonaws/services/cloudwatch/model/InsightRuleContributorDatapoint.java
* /opt/cola/permits/1262347488_1643390979.06/0/aws-java-sdk-cloudwatch-1-12-57-sources-jar/com/amazonaws/services/cloudwatch/model/PutCompositeAlarmRequest.java
* /opt/cola/permits/1262347488_1643390979.06/0/aws-java-sdk-cloudwatch-1-12-57-sources-jar/com/amazonaws/services/cloudwatch/model/MetricStat.java
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1.225 jsoup 1.15.3

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1.226 spring-web-mvc 5.3.22

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1.228 json-smart 2.4.8

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Manifest-Version: 1.0

Bnd-LastModified: 1644737862078

Build-Jdk: 11.0.14

Built-By: uriel

Bundle-Description: JSON (JavaScript Object Notation) is a lightweight data-interchange format. It is easy for humans to read and write. It is easy for machines to parse and generate. It is based on a subset of the JavaScript Programming Language, Standard ECMA-262 3rd Edition - December 1999. JSON is a text format that is completely language independent but uses conventions that are familiar to programmers of the C-family of languages, including C, C++, C#, Java, JavaScript, Perl, Python, and many others. These properties make JSON an ideal data-interchange language.

Bundle-DocURL: <https://urielch.github.io/>

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

Bundle-ManifestVersion: 2

Bundle-Name: json-smart

Bundle-SymbolicName: net.minidev.json-smart

Bundle-Vendor: Chemouni Uriel

Bundle-Version: 2.4.8

Created-By: Apache Maven Bundle Plugin

Export-Package: net.minidev.json;uses:="net.minidev.asm,net.minidev.json.parser,net.minidev.json.reader,net.minidev.json.writer";version="2.4.8",net.minidev.json.annotate;version="2.4.8",net.minidev.json.parser;uses:="net.minidev.json.writer";version="2.4.8",net.minidev.json.reader;uses:="net.minidev.json";version="2.4.8",net.minidev.json.writer;uses:="net.minidev.json,net.minidev.json.parser";version="2.4.8"

Import-Package: net.minidev.asm;version="[2.4,3]",net.minidev.json,net.minidev.json.annotate,net.minidev.json.parser,net.minidev.json.reader,net.minidev.json.writer

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

Tool: Bnd-5.1.1.202006162103

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1.229 spring-framework 5.3.22

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1.231 zstd-jni 1.5.0-2

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1.232 logging-interceptor 3.14.9

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```
* /opt/cola/permits/1199746110_1630577833.08/0/logging-interceptor-3-14-9-sources-1-  
jar/okhttp3/logging/HttpLoggingInterceptor.java
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* /opt/cola/permits/1199746110_1630577833.08/0/logging-interceptor-3-14-9-sources-1-  
jar/okhttp3/logging/LoggingEventListener.java
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1.233 gson 2.9.0

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* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-  
jar/com/google/gson/ToNumberStrategy.java  
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-  
jar/com/google/gson/ToNumberPolicy.java
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* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-  
jar/com/google/gson/internal/GsonBuildConfig.java
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jar/com/google/gson/internal/Streams.java
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-
jar/com/google/gson/JsonSyntaxException.java
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* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-
jar/com/google/gson/internal/bind/CollectionTypeAdapterFactory.java
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-
jar/com/google/gson/internal/bind/TypeAdapterRuntimeTypeWrapper.java
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-
jar/com/google/gson/internal/bind/TypeAdapters.java
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-
jar/com/google/gson/internal/bind/ArrayTypeAdapter.java
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-
jar/com/google/gson/internal/bind/ReflectiveTypeAdapterFactory.java
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-
jar/com/google/gson/internal/JsonReaderInternalAccess.java
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-
jar/com/google/gson/TypeAdapterFactory.java
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-
jar/com/google/gson/TypeAdapter.java
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-
jar/com/google/gson/internal/bind/JsonTreeReader.java
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-
jar/com/google/gson/internal/bind/ObjectTypeAdapter.java
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-
jar/com/google/gson/internal/bind/JsonTreeWriter.java
```

```
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-
jar/com/google/gson/internal/bind/MapTypeAdapterFactory.java
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* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-
jar/com/google/gson/JsonSerializationContext.java
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-
jar/com/google/gson/ExclusionStrategy.java
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-jar/com/google/gson/Gson.java
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-
jar/com/google/gson/JsonPrimitive.java
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-
jar/com/google/gson/JsonIOException.java
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-
jar/com/google/gson/reflect/TypeToken.java
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-
jar/com/google/gson/annotations/Expose.java
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-
jar/com/google/gson/internal/ObjectConstructor.java
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-
jar/com/google/gson/annotations/Since.java
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-
jar/com/google/gson/internal/$Gson$Preconditions.java
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-
jar/com/google/gson/internal/Excluder.java
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-
jar/com/google/gson/FieldNamingStrategy.java
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-
jar/com/google/gson/JsonElement.java
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-
jar/com/google/gson/JsonDeserializer.java
```

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* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-
jar/com/google/gson/InstanceCreator.java
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-jar/com/google/gson/JsonArray.java
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-jar/com/google/gson/JsonObject.java
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-
jar/com/google/gson/JsonDeserializationContext.java
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-
jar/com/google/gson/annotations/SerializedName.java
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-
jar/com/google/gson/FieldNamingPolicy.java
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-
jar/com/google/gson/JsonParseException.java
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-
jar/com/google/gson/GsonBuilder.java
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-
jar/com/google/gson/JsonSerializer.java
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-
jar/com/google/gson/internal/Primitives.java
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jar/com/google/gson/annotations/Until.java
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```

Found in path(s):

```
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-
jar/com/google/gson/internal/bind/NumberTypeAdapter.java
```

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```
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-  
jar/com/google/gson/JsonStreamParser.java  
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-  
jar/com/google/gson/FieldAttributes.java  
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-jar/com/google/gson/JsonParser.java  
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-  
jar/com/google/gson/LongSerializationPolicy.java
```

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```
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-  
jar/com/google/gson/internal/JavaVersion.java  
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-  
jar/com/google/gson/internal/PreJava9DateFormatProvider.java
```

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```
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-  
jar/com/google/gson/stream/JsonReader.java  
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-  
jar/com/google/gson/stream/JsonToken.java  
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-  
jar/com/google/gson/stream/JsonScope.java  
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-  
jar/com/google/gson/stream/MalformedJsonException.java  
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-  
jar/com/google/gson/stream/JsonWriter.java
```

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```

Found in path(s):

```
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-  
jar/com/google/gson/internal/bind/JsonAdapterAnnotationTypeAdapterFactory.java  
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-
```

jar/com/google/gson/annotations/JsonAdapter.java
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* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-
jar/com/google/gson/internal/\$Gson\$Types.java
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* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-
jar/com/google/gson/internal/LinkedTreeMap.java
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```
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-  
jar/com/google/gson/internal/LazilyParsedNumber.java  
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-  
jar/com/google/gson/internal/sql/SqlTimeTypeAdapter.java  
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-  
jar/com/google/gson/internal/sql/SqlDateTypeAdapter.java  
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-  
jar/com/google/gson/internal/ConstructorConstructor.java  
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-  
jar/com/google/gson/internal/bind/DateTypeAdapter.java  
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-  
jar/com/google/gson/internal/UnsafeAllocator.java  
* /opt/cola/permits/1331093984_1653033295.598981/0/gson-2-9-0-sources-1-  
jar/com/google/gson/internal/bind/TreeTypeAdapter.java
```

1.234 flyway-core 8.2.0

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* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/META-INF/maven/org.flywaydb/flyway-core/pom.xml

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* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/scanner/LocationScannerCache.java

* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/logging/multi/MultiLogger.java

* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/api/output/OperationResultBase.java

* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/extensibility/PluginMetadata.java

* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/oracle/package-info.java

* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/parser/StatementType.java

* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/resolver/java/FixedJavaMigrationResolver.java

* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/postgresql/PostgreSQLParser.java

* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/informix/InformixConnection.java

* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/scanner/classpath/jboss/JBossVFSv3ClassPathLocationScanner.java

```
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/scanner/classpath/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/api/output/UndoResult.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/authentication/ExternalAuthFileReader.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/schemahistory/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/api/InfoOutputProvider.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/DatabaseTypeRegister.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/redshift/RedshiftType.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/Flyway.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/db2/DB2Connection.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/util/AsciiTable.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/sybasease/SybaseASEParser.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/jdbc/ExecutionTemplate.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/api/output/CommandResultFactory.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/schemahistory/JdbcTableSchemaHistory.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/cockroachdb/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/api/output/InfoResult.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/api/MigrationPattern.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/jdbc/ErrorImpl.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/parser/RecordingReader.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/scanner/ClasspathClassScanner.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/util/MachineFingerprintUtils.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/configuration/ConfigurationValidator.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/sybasease/SybaseASEJTDSDatabaseType.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/sqlscript/package-info.java
```

```
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/firebird/FirebirdTable.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/configuration/ConfigUtils.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/api/callback/Event.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/api/output/ValidateOutput.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/redshift/RedshiftTable.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/sqlite/SQLiteConnection.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/api/callback/Statement.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/redshift/RedshiftSchema.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/postgresql/PostgreSQLDatabaseType.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/parser/UnboundedReadAheadReader.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/util/FileCopyUtils.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/resource/ResourceName.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/oracle/OracleConnection.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/scanner/classpath/JarFileClassPathLocationScanner.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/resolver/ResolvedMigrationImpl.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/schemahistory/SchemaHistoryFactory.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/cockroachdb/CockroachDBTable.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/postgresql/PostgreSQLDatabase.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/info/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/postgresql/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/util/BomStrippingReader.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/util/ClassUtils.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/api/resource/LoadableResource.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/jdbc/Result.java
```

```
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/api/resolver/MigrationResolver.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/api/configuration/Configuration.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/resolver/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/logging/log4j2/Log4j2Log.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/util/DataUnits.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/derby/DerbyParser.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/cockroachdb/CockroachDBConnection.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/exception/FlywayDbUpgradeRequiredException.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/snowflake/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/exception/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/util/AbbreviationUtils.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/api/output/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/db2/DB2Function.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/scanner/classpath/jboss/JBossVFSv2UrlResolver.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/derby/DerbyDatabase.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/command/DbRepair.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/resource/s3/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/scanner/ResourceNameCache.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/license/FlywayTrialExpiredException.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/derby/DerbyConnection.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/util/SqlCallable.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/redshift/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/resource/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/hsqldb/HSQLDBConnection.java
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* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/sqlscript/SqlStatementIterator.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/authentication/mysql/MySQLOptionFileReader.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/postgresql/PostgreSQLSchema.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/sqlite/SQLiteDatabase.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/scanner/classpath/UrlResolver.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/sqlscript/ParsedSqlStatement.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/db2/DB2DatabaseType.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/logging/multi/MultiLogCreator.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/resourceclasspath/ClassPathResource.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/h2/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/resolver/sql/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/firebird/FirebirdSchema.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/hsqldb/HSQLDBDatabaseType.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/resolver/java/ResolvedJavaMigration.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/jdbc/TableLockingExecutionTemplate.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/informix/InformixTable.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/mysql/MySQLParser.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/util/Pair.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/logging/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/jdbc/RowMapper.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/resource/ResourceNameValidator.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/sqlscript/SqlScript.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/jdbc/ExecutionTemplateFactory.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/h2/H2Database.java
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* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/resource/classpath/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/resource/s3/AwsS3Resource.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/scanner/classpath/ClassPathScanner.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/sqlscript/Delimiter.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/DatabaseType.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/informix/InformixDatabase.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/db2/DB2Schema.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/api/logging/Log.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/resource/StringResource.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/cockroachdb/CockroachDBSchema.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/scanner/classpath/ClassPathLocationScanner.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/api/logging/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/callback/NoopCallbackExecutor.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/oracle/OracleResults.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/license/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/mysql/MySQLTable.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/snowflake/SnowflakeDatabaseType.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/util/IOUtils.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/base/Type.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/base/Function.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/firebird/FirebirdDatabase.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/logging/EvolvingLog.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/util/DateUtils.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/parser/Parser.java
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* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/saphana/SAPHANASchema.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/jdbc/WarningImpl.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/h2/H2Connection.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/exception/FlywaySQLException.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/api/Location.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/api/output/CleanResult.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/FlywayExecutor.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/mysql/mariadb/MariaDBDatabaseType.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/license/Edition.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/logging/sl4j/Slf4jLogCreator.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/base/Database.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/resource/filesystem/FileSystemResource.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/derby/DerbyDatabaseType.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/sqlscript/ParserSqlScript.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/api/output/MigrateOutput.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/authentication/postgres/PgpassFileReader.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/saphana/SAPHANATable.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/jdbc/JdbcTemplate.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/util/FlywayDbWebsiteLinks.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/strategy/BackoffStrategy.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/api/resource/Resource.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/logging/apachecommons/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/api/callback/Context.java
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* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/util/FeatureDetector.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/base/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/util/UrlUtils.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/scanner/classpath/OsgiClassPathLocationScanner.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/sqlite/SQLiteSchema.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/util/CloseableIterator.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/util/TimeFormat.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/resolver/java/JavaMigrationExecutor.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/command/DbInfo.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/firebird/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/jdbc/Results.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/callback/DefaultCallbackExecutor.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/postgresql/PostgreSQLAdvisoryLockTemplate.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/sqlscript/SqlScriptExecutorFactory.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/postgresql/PostgreSQLConnection.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/oracle/OracleSchema.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/info/AppliedMigrationAttributes.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/jdbc/DriverDataSource.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/parser/PositionTrackingReader.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/hsqldb/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/sqlscript/SqlScriptMetadata.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/api/callback/Warning.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/informix/InformixSchema.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/sybasease/SybaseASEConnection.java
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* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/h2/H2DatabaseType.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/db2/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/resource/filesystem/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/oracle/OracleDatabaseType.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/license/FlywayEditionUpgradeRequiredException.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/callback/SqlScriptCallbackFactory.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/extensibility/ConfigurationProvider.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/saphana/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/util/BooleanEvaluator.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/oracle/OracleTable.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/mysql/MySQLDatabaseType.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/jdbc/PlainExecutionTemplate.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/logging/slf4j/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/sqlite/SQLiteDatabaseType.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/derby/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/sqlscript/SqlScriptExecutor.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/api/resolver/ResolvedMigration.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/parser/PlaceholderReplacingReader.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/schemahistory/SchemaHistory.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/logging/javutil/JavaUtilLogCreator.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/sybasease/SybaseASEDatabase.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/postgresql/PostgreSQLTable.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/api/configuration/FluentConfiguration.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/callback/CallbackExecutor.java
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* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/mysql/mariadb/MariaDBParser.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/snowflake/SnowflakeSchema.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/api/output/CompositeResult.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/sqlscript/DefaultSqlScriptExecutor.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/db2/DB2Parser.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/parser	TokenName.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/base/TestContainersDatabaseType.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/util/StringUtils.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/mysql/MySQLNamedLockTemplate.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/info/MigrationInfoDumper.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/callback/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/api/configuration/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/api/MigrationInfo.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/info/MigrationInfoServiceImpl.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/api/ErrorDetails.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/db2/DB2Database.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/api/callback/Callback.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/api/MigrationState.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/DatabaseExecutionStrategy.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/saphana/SAPHANAParser.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/resolver/CompositeMigrationResolver.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/base/Table.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/oracle/OracleSqlScriptExecutor.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/command/DbClean.java
```

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* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/redshift/RedshiftDatabaseType.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/api/output/OperationResult.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/h2/H2Table.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/api/ErrorCodes.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/snowflake/SnowflakeTable.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/resolver/ResolvedMigrationComparator.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/scanner/classpath/jboss/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/informix/InformixDatabaseType.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/scanner/cloud/s3/AwsS3Scanner.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/util/Locations.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/parser/ParserContext.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/info/MigrationInfoImpl.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/db2/DB2Table.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/clazz/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/hsqldb/HSQLDBParser.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/api/callback/BaseCallback.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/jdbc/TransactionalExecutionTemplate.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/oracle/OracleParser.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/scanner/cloud/CloudScanner.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/license/VersionPrinter.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/logging/javutil/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/schemahistory/AppliedMigration.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/api/executor/Context.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/api/output/InfoOutput.java
```

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* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/parser/ParsingContext.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/parser/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/resolver/sql/SqlMigrationExecutorFactory.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/scanner/Scanner.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/jdbc/JdbcNullTypes.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/base/Schema.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/api/output/RepairResult.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/scanner/classpath/FileSystemClassPathLocationScanner.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/hsqldb/HSQLDBSchema.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/api/output/MigrateErrorResult.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/mysql/MySQLSchema.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/hsqldb/HSQLDBTable.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/saphana/SAPHANAConnection.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/cockroachdb/CockroachDBRetryingStrategy.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/logging/buffered/BufferedLogCreator.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/scanner/classpath/ResourceAndClassScanner.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/api/resolver/ChecksumMatcher.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/snowflake/SnowflakeDatabase.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/sqlite/SQLiteTable.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/resource/ResourceNameParser.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/database/firebird/FirebirdDatabaseType.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/util/BomFilter.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/parser/Statement.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-
jar/org/flywaydb/core/internal/resolver/sql/SqlMigrationExecutor.java
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* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/info/MigrationInfoContext.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/api/logging/LogFactory.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/clazz/NoopClassProvider.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/jdbc/JdbcUtils.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/command/DbValidate.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/parser/TokenType.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/resolver/ChecksumCalculator.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/api/output/ErrorOutput.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/InsertRowLock.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/api/logging/LogCreator.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/h2/H2Schema.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/license/FlywayTeamsUpgradeRequiredException.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/jdbc/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/redshift/RedshiftDatabase.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/resource/ResourceType.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/api/callback/Error.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/api/resolver/Context.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/logging/javutil/JavaUtilLog.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/authentication/ExternalAuthPropertiesProvider.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/cockroachdb/CockroachRetryingTransactionalExecutionTemplate.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/snowflake/SnowflakeParser.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/sybasease/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/api/pattern/ValidatePattern.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/resolver/MigrationInfoHelper.java
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* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/util/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/derby/DerbyTable.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/db2/DB2Type.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/resolver/java/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/command/DbMigrate.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/snowflake/SnowflakeConnection.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/scanner/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/informix/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/api/exception/FlywayValidateException.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/redshift/RedshiftParser.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/plugin/PluginRegister.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/util/StopWatch.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/api/resolver/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/sqlite/SQLiteParser.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/api/output/BaselineResult.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/FlywayTeamsObjectResolver.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/parser/PeekingReader.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/api/callback/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/base/SchemaObject.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/api/migration/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/firebird/FirebirdParser.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/api/executor/MigrationExecutor.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/api/ResourceProvider.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/sqlite/package-info.java
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* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/resource/NoopResourceProvider.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/util/ExceptionUtils.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/cockroachdb/CockroachDBDatabaseType.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/command/DbBaseline.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/hsqldb/HSQLDBDatabase.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/DefaultExecutionStrategy.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/sybasease/SybaseASESchema.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/parser/PositionTracker.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/logging/apachecommons/ApacheCommonsLogCreator.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/api/migration/Context.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/api/MigrationInfoService.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/callback/NoopCallback.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/base/Connection.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/sqlscript/FlywaySqlScriptException.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/logging/slf4j/Slf4jLog.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/command/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/api/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/api/migration/BaseJavaMigration.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/informix/InformixParser.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/extensibility/Plugin.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/resolver/sql/SqlMigrationResolver.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/api/output/MigrateResult.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/jdbc/JdbcConnectionFactory.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/mysql/mariadb/MariaDBDatabase.java
```

* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/sqlscript/SqlStatement.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/cockroachdb/CockroachDBDatabase.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/api/migration/JavaMigration.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/saphana/SAPHANADatabaseType.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/logging/buffered/BufferedLog.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/scanner/classpath/DefaultUrlResolver.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/api/executor/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/firebird/FirebirdConnection.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/saphana/SAPHANADatabase.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/api/output/UndoOutput.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/mysql/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/api/MigrationVersion.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/callback/SimpleContext.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/configuration/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/api/MigrationType.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/api/configuration/ClassicConfiguration.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/command/DbSchemas.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/cockroachdb/CockroachDBParser.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/sybasease/SybaseASETable.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/api/output/ValidateResult.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/postgresql/PostgreSQLType.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/api/FlywayException.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/jdbc/StatementInterceptor.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/sybasease/SybaseASEJConnectDatabaseType.java

```
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/postgresql/PostgreSQLCopyParsedStatement.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/redshift/RedshiftConnection.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/logging/apachecommons/ApacheCommonsLog.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/parser/Recorder.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/sqlscript/SqlScriptFactory.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/resolver/java/ScanningJavaMigrationResolver.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/resolver/sql/DefaultSqlMigrationExecutorFactory.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/api/resource/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/derby/DerbySchema.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/license/FlywayTeamsUpgradeMessage.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/mysql/MySQLConnection.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/oracle/OracleDatabase.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/package-info.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/api/ClassProvider.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/api/output/RepairOutput.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/api/configuration/S3ClientFactory.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/logging/log4j2/Log4j2LogCreator.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/strategy/RetryStrategy.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/mysql/MySQLDatabase.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/extensibility/ConfigurationExtension.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/base/BaseDatabaseType.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/scanner/filesystem/FileSystemScanner.java
* /opt/cola/permits/1411135388_1662632978.1749825/0/flyway-core-8-2-0-sources-jar/org/flywaydb/core/internal/database/h2/H2Parser.java
```

1.235 nimbus-jose-jwt 9.14

1.235.1 Available under license :

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```
/*
 * nimbus-jose-jwt
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 */
```

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```
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/X25519Decrypter.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/Ed25519Signer.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/Ed25519Verifier.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/jwk/JWKSet.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/util/Base64Codec.java
```

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```
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 * nimbus-jose-jwt
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```

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```

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```
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-  
jar/com/nimbusds/jose/proc/JWEEncryptionKeySelector.java  
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-  
jar/com/nimbusds/jose/jwk/JWKMatcher.java  
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-  
jar/com/nimbusds/jose/proc/JWSVerificationKeySelector.java  
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-  
jar/com/nimbusds/jose/proc/JOSEProcessorConfiguration.java  
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-  
jar/com/nimbusds/jose/crypto/ECDHEncrypter.java  
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-  
jar/com/nimbusds/jose/proc/JWSAlgorithmFamilyJWSKeySelector.java  
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-  
jar/com/nimbusds/jwt/proc/DefaultJWTProcessor.java  
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-  
jar/com/nimbusds/jose/proc/DefaultJOSEProcessor.java
```

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```
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*/
```

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```
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-  
jar/com/nimbusds/jose/crypto/impl/CriticalHeaderParamsDeferral.java  
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-  
jar/com/nimbusds/jose/proc/JWKSecurityContext.java  
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
```

```
jar/com/nimbusds/jose/util/KeyUtils.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/produce/JWSSignerFactory.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/jwk/Curve.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/AESEncrypter.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/jwk/source/JWKSetWithTimestamp.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/jwk/OctetKeyPair.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/impl/RSACryptoProvider.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/impl/RSA_OAEP_256.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/jwk/source/DefaultJWKSetCache.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jwt/proc/JWTClaimsSetAwareJWSKeySelector.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/impl/AESKW.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/ActionRequiredForJWSCompletionException.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/impl/RSA_OAEP.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/opts/AllowWeakRSAKey.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/impl/CompositeKey.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/impl/PBKDF2.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/impl/RSA1_5.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/opts/UserAuthenticationRequired.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/jwk/gen/JWKGenerator.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/impl/RSASSA.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/opts/OptionUtils.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/utils/ECChecks.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/util/JSONStringUtils.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/proc/DefaultJOSEObjectTypeVerifier.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
```

```
jar/com/nimbusds/jose/crypto/impl/AAD.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/JWSSignerOption.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/impl/ContentCryptoProvider.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/utils/ConstantTimeUtils.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/impl/ECDSAProvider.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/impl/MACProvider.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/util/IOUtils.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/impl/ECDH.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/impl/AESGCMKW.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/impl/HMAC.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/jwk/gen/package-info.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/impl/AESEncryptor.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/jwk/KeyUseAndOpsConsistency.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/impl/LegacyConcatKDF.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/impl/DeflateHelper.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/produce/package-info.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/utils/package-info.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/impl/RSASSAProvider.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/impl/BaseJWSProvider.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/util/BoundedInputStream.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/impl/ECDSA.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/jwk/gen/OctetSequenceKeyGenerator.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/impl/AESCBC.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/jwk/PasswordLookup.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
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jar/com/nimbusds/jose/crypto/impl/ConcatKDF.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/util/Container.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/jwk/source/JWKSetCache.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/impl/AlgorithmParametersHelper.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/jwk/CurveBasedJWK.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/impl/PasswordBasedCryptoProvider.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/impl/BaseJWEProvider.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/impl/LegacyAESGCM.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/impl/AlgorithmSupportMessage.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/impl/PRFParams.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/impl/package-info.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/impl/RSAKeyUtils.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/CompletableFutureJWSObjectSigning.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/jwk/PEMEncodedKeyParser.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/jwk/gen/ECKKeyGenerator.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/impl/EdDSAProvider.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/jwk/gen/RSAKeyGenerator.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/util/IntegerOverflowException.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/impl/CipherHelper.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/opts/package-info.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/impl/AuthenticatedCipherText.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/jwk/JWKEception.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/impl/AESGCM.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/impl/DirectCryptoProvider.java
```

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 * nimbus-jose-jwt
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```
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/jwk/gen/OctetKeyPairGenerator.java
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* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/factories/DefaultJWSSignerFactory.java
```

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* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-  
jar/com/nimbusds/jose/crypto/bc/BouncyCastleFIPSProviderSingleton.java  
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-  
jar/com/nimbusds/jose/crypto/bc/package-info.java
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* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-  
jar/com/nimbusds/jose/crypto/ECDH1PUX25519Encrypter.java  
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-  
jar/com/nimbusds/jose/crypto/ECDH1PUDecrypter.java  
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-  
jar/com/nimbusds/jose/crypto/ECDH1PUX25519Decrypter.java  
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-  
jar/com/nimbusds/jose/crypto/ECDH1PUEncrypter.java
```

```
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/impl/ECDH1PUCryptoProvider.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/mint/package-info.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/impl/XC20P.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/impl/ECDH1PU.java
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* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-jar/com/nimbusds/jose/package-
info.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/util/X509CertUtils.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jwt/JWTClaimsSetTransformer.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/proc/ConfigurableJOSEProcessor.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/ECDSAVerifier.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/PlainObject.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/JWECryptoParts.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/jwk/source/package-info.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/CompressionAlgorithm.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/jwk/JWK.java
```

```
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/util/DateUtils.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/RSAEncrypter.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/util/package-info.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/util/Base64.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/DirectEncrypter.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/Header.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/util/Base64URL.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jwt/proc/package-info.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/proc/SecurityContext.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-jar/com/nimbusds/jwt/JWT.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jwt/proc/ClockSkewAware.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/jwk/RSAKey.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/Payload.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/CommonSEHeader.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/jwk/KeyUse.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/jwk/JWKSelector.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/JWEEncrypter.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/util/BigIntegerUtils.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/JWSHeader.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/jwk/KeyOperation.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/JOSEObjectType.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/JWEAlgorithm.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jwt/PlainJWT.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/package-info.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
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jar/com/nimbusds/jose/PlainHeader.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/JWSSigner.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/RSASSASigner.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/jwk/KeyConverter.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/factories/DefaultJWE DecrypterFactory.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/util/RestrictedResourceRetriever.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/PasswordBasedEncrypter.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/jca/JCAContext.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/proc/JWSKeySelector.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/jwk/OctetSequenceKey.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/proc/BadJWSException.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/MACSigner.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/jwk/source/JWKSource.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/KeySourceException.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/X25519Encrypter.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/jwk/ECPParameterTable.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/util/StandardCharset.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/ECDSASigner.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/util/JSONObjectUtils.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/proc/SimpleSecurityContext.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/AESDecrypter.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/util/Resource.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/DirectDecrypter.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-jar/com/nimbusds/jwt/package-
info.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
```

```
jar/com/nimbusds/jose/proc/BadJOSEException.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/jwk/KeyType.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/KeyTypeException.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/JWEProvider.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/jwk/SecretJWK.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/proc/AbstractJWKSelectorWithSource.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/jwk/source/ImmutableJWKSet.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jwt/JWTParser.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/proc/JWSVerifierFactory.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jwt/proc/JWTClaimsSetVerifier.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/PayloadTransformer.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jwt/proc/BadJWTException.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/util/ResourceRetriever.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jwt/util/package-info.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/proc/JWEKeySelector.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jwt/proc/ConfigurableJWTProcessor.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/JWSVerifier.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/JWSProvider.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/jwk/source/ImmutableSecret.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/jwk/JWKMetadata.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/jwk/source/RemoteJWKSet.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jwt/proc/JWTProcessorConfiguration.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/jwk/AsymmetricJWK.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/RemoteKeySourceException.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
```

```
jar/com/nimbusds/jose/KeyException.java  
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-  
jar/com/nimbusds/jose/jca/package-info.java  
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-  
jar/com/nimbusds/jose/JWEHeader.java  
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-  
jar/com/nimbusds/jose/util/DefaultResourceRetriever.java  
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-  
jar/com/nimbusds/jose/util/ArrayUtils.java  
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-  
jar/com/nimbusds/jose/proc/JWEDecrypterFactory.java  
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-  
jar/com/nimbusds/jose/util/AbstractRestrictedResourceRetriever.java  
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-  
jar/com/nimbusds/jose/jca/JCASupport.java  
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-  
jar/com/nimbusds/jose/crypto/PasswordBasedDecrypter.java  
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-  
jar/com/nimbusds/jose/proc/JOSEMatcher.java  
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-  
jar/com/nimbusds/jose/JOSEObject.java  
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-  
jar/com/nimbusds/jose/JWEObject.java  
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-  
jar/com/nimbusds/jwt/JWTClaimsSet.java  
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-  
jar/com/nimbusds/jose/util/DeflateUtils.java  
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-  
jar/com/nimbusds/jose/crypto/MACVerifier.java  
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-  
jar/com/nimbusds/jose/util/JSONArrayUtils.java  
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-  
jar/com/nimbusds/jose/jwk/ThumbprintUtils.java  
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-  
jar/com/nimbusds/jose/util/IntegerUtils.java  
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-  
jar/com/nimbusds/jwt/util/DateUtils.java  
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-  
jar/com/nimbusds/jose/jca/JCAAware.java  
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-  
jar/com/nimbusds/jose/util/ByteUtils.java  
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-  
jar/com/nimbusds/jose/CriticalHeaderParamsAware.java  
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-  
jar/com/nimbusds/jose/jwk/package-info.java  
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-  
jar/com/nimbusds/jose/proc/package-info.java  
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
```

```
jar/com/nimbusds/jose/crypto/RSAEncrypter.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jwt/EncryptedJWT.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/JWE Decrypter.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jwt/proc/JWTProcessor.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/proc/JOSEProcessor.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/JWSObject.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/KeyLengthException.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jwt/SignedJWT.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/AlgorithmFamily.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/JOSEProvider.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/ECDHDecrypter.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jwt/proc/DefaultJWTClaimsVerifier.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/Algorithm.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/proc/BadJWEEException.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/JWSAlgorithm.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/util/X509CertChainUtils.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/factories/DefaultJWSVerifierFactory.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/Requirement.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/jca/JWEJCAContext.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/RSASSAVerifier.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/jwk/ECKey.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/bc/BouncyCastleProviderSingleton.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/JOSEException.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/factories/package-info.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
```

jar/com/nimbusds/jose/EncryptionMethod.java
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```
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 * nimbus-jose-jwt
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```

Found in path(s):

```
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/jwk/source/JWKSecurityContextJWKSet.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/proc/JOSEObjectTypeVerifier.java
* /opt/cola/permits/1205136537_1632178207.29/0/nimbus-jose-jwt-9-14-sources-
jar/com/nimbusds/jose/crypto/impl/ECDHCryptoProvider.java
```

1.236 snappy-java 1.1.8.1

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```
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* Tatu Saloranta
* Providing benchmark suite
* Alec Wysoker
* Performance and memory usage improvement
```

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1.237 event-stream 1.0.1

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```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1015861006_1591858433.32/0/event-stream-1-0-1-sources-jar/META-INF/maven/com.github.malkomich/event-stream/pom.xml
```

1.238 jakarta-mail 1.6.7

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1.240 jul-to-slf4j 1.7.36

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1.241 netty-transport-classes-epoll

4.1.86.Final

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* /opt/cola/permits/1534908798_1673962419.8740282/0/netty-transport-classes-epoll-4-1-86-final-sources-1-
jar/io/netty/channel/epoll/EpollChannelConfig.java
* /opt/cola/permits/1534908798_1673962419.8740282/0/netty-transport-classes-epoll-4-1-86-final-sources-1-
jar/io/netty/channel/epoll/EpollServerChannelConfig.java
* /opt/cola/permits/1534908798_1673962419.8740282/0/netty-transport-classes-epoll-4-1-86-final-sources-1-
jar/io/netty/channel/epoll/TcpMd5Util.java
* /opt/cola/permits/1534908798_1673962419.8740282/0/netty-transport-classes-epoll-4-1-86-final-sources-1-
jar/io/netty/channel/epoll/EpollDomainSocketChannelConfig.java
* /opt/cola/permits/1534908798_1673962419.8740282/0/netty-transport-classes-epoll-4-1-86-final-sources-1-
jar/io/netty/channel/epoll/EpollEventArray.java
* /opt/cola/permits/1534908798_1673962419.8740282/0/netty-transport-classes-epoll-4-1-86-final-sources-1-
jar/io/netty/channel/epoll/EpollRecvByteAllocatorHandle.java
* /opt/cola/permits/1534908798_1673962419.8740282/0/netty-transport-classes-epoll-4-1-86-final-sources-1-
jar/io/netty/channel/epoll/EpollServerDomainSocketChannel.java
* /opt/cola/permits/1534908798_1673962419.8740282/0/netty-transport-classes-epoll-4-1-86-final-sources-1-
jar/io/netty/channel/epoll/EpollMode.java
* /opt/cola/permits/1534908798_1673962419.8740282/0/netty-transport-classes-epoll-4-1-86-final-sources-1-
jar/io/netty/channel/epoll/EpollDomainSocketChannel.java
* /opt/cola/permits/1534908798_1673962419.8740282/0/netty-transport-classes-epoll-4-1-86-final-sources-1-
jar/io/netty/channel/epoll/EpollRecvByteAllocatorStreamingHandle.java
* /opt/cola/permits/1534908798_1673962419.8740282/0/netty-transport-classes-epoll-4-1-86-final-sources-1-
jar/io/netty/channel/epoll/AbstractEpollStreamChannel.java
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jar/io/netty/channel/epoll/NativeDatagramPacketArray.java  
* /opt/cola/permits/1534908798_1673962419.8740282/0/netty-transport-classes-epoll-4-1-86-final-sources-1-  
jar/io/netty/channel/epoll/EpollChannelOption.java  
* /opt/cola/permits/1534908798_1673962419.8740282/0/netty-transport-classes-epoll-4-1-86-final-sources-1-  
jar/io/netty/channel/epoll/AbstractEpollChannel.java  
* /opt/cola/permits/1534908798_1673962419.8740282/0/netty-transport-classes-epoll-4-1-86-final-sources-1-  
jar/io/netty/channel/epoll/EpollServerSocketChannel.java  
* /opt/cola/permits/1534908798_1673962419.8740282/0/netty-transport-classes-epoll-4-1-86-final-sources-1-  
jar/io/netty/channel/epoll/EpollDatagramChannel.java  
* /opt/cola/permits/1534908798_1673962419.8740282/0/netty-transport-classes-epoll-4-1-86-final-sources-1-  
jar/io/netty/channel/epoll/package-info.java  
* /opt/cola/permits/1534908798_1673962419.8740282/0/netty-transport-classes-epoll-4-1-86-final-sources-1-  
jar/io/netty/channel/epoll/EpollTcpInfo.java  
* /opt/cola/permits/1534908798_1673962419.8740282/0/netty-transport-classes-epoll-4-1-86-final-sources-1-  
jar/io/netty/channel/epoll/EpollEventLoopGroup.java  
* /opt/cola/permits/1534908798_1673962419.8740282/0/netty-transport-classes-epoll-4-1-86-final-sources-1-  
jar/io/netty/channel/epoll/Epoll.java  
* /opt/cola/permits/1534908798_1673962419.8740282/0/netty-transport-classes-epoll-4-1-86-final-sources-1-  
jar/io/netty/channel/epoll/EpollSocketChannel.java  
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* /opt/cola/permits/1534908798_1673962419.8740282/0/netty-transport-classes-epoll-4-1-86-final-sources-1-
jar/io/netty/channel/epoll/EpollDomainDatagramChannelConfig.java
* /opt/cola/permits/1534908798_1673962419.8740282/0/netty-transport-classes-epoll-4-1-86-final-sources-1-
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jar/io/netty/channel/epoll/LinuxSocket.java
* /opt/cola/permits/1534908798_1673962419.8740282/0/netty-transport-classes-epoll-4-1-86-final-sources-1-
jar/io/netty/channel/epoll/NativeStaticallyReferencedJniMethods.java
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 * Keys can only be set on, not read to prevent a potential leak, as they are confidential.
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*/

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 * Allowing them being read would mean anyone with access to the channel could get them.
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/***
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 * for more details.
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1.242 sdk-core 2.17.4

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Import-Package: org.objectweb.asm;version="[8.0,10)",net.minidev.asm.ex
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* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/SetBucketVersioningConfigurationRequest.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/SetBucketTaggingConfigurationRequest.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/GroupGrantee.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/ObjectListing.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/Permission.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/S3VersionSummary.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/SetBucketLoggingConfigurationRequest.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/package-info.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
```

```
jar/com/amazonaws/services/s3/model/BucketVersioningConfiguration.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/MultiFactorAuthentication.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/MD5DigestCalculatingInputStream.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/DeleteVersionRequest.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/SetBucketLifecycleConfigurationRequest.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/S3ObjectSummary.java
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* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/crypto/keywrap/RsaOaepKeyWrapper.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/transfer/internal/future/FailedFuture.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/crypto/keywrap/CipherProvider.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/crypto/keywrap/KeyWrapAlgorithmResolver.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/transfer/internal/future/FutureImpl.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/crypto/keywrap/KMSKeyWrapper.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/crypto/keywrap/AesGemKeyWrapperProvider.java
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jar/com/amazonaws/services/s3/internal/crypto/keywrap/AesGcmKeyWrapper.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/crypto/keywrap/Mgf1Scheme.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/crypto/v1/KMSMaterialsHandler.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/crypto/keywrap/KeyWrapper.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/transfer/internal/future/DelegatingFuture.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/transfer/internal/future/CompositeFuture.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/crypto/keywrap/RsaOaepKeyWrapperProvider.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/transfer/internal/future/CompletedFuture.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/crypto/KMSKeyWrapperContext.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/crypto/CryptoUtils.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/crypto/v2/KMSMaterialsHandler.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/crypto/keywrap/KMSKeyWrapperProvider.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
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jar/com/amazonaws/services/s3/internal/S3RequesterChargedResult.java  
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-  
jar/com/amazonaws/services/s3/model/AbortIncompleteMultipartUpload.java
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jar/com/amazonaws/services/s3/transfer/internal/MultipleFileTransferMonitor.java  
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-  
jar/com/amazonaws/services/s3/transfer/internal/MultipleFileTransfer.java  
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-  
jar/com/amazonaws/services/s3/transfer/internal/MultipleFileDialogImpl.java  
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-  
jar/com/amazonaws/services/s3/transfer/internal/MultipleFileUploadImpl.java  
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
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jar/com/amazonaws/services/s3/transfer/internal/DownloadMonitor.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/transfer/MultipleFileUpload.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/S3ObjectInputStream.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/transfer/internal/AbstractTransfer.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
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jar/com/amazonaws/services/s3/model/transform/ObjectTaggingXmlFactory.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/ObjectTagging.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/Tag.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
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* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
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jar/com/amazonaws/services/s3/model/GetObjectAclRequest.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
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* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/S3VersionResult.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/SetObjectTaggingRequest.java
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jar/com/amazonaws/services/s3/internal/S3StringResponseHandler.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
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* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
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* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/AccessControlList.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/BucketLoggingConfiguration.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/BucketNotificationConfiguration.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/RequestPaymentConfiguration.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/CanonicalGrantee.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/Grant.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/EmailAddressGrantee.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/Grantee.java
```

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 */
```

Found in path(s):

```
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/CryptoKeyWrapAlgorithm.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/crypto/AesCtr.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/crypto/v2/S3CryptoModuleAE.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/transfer/PersistableDownload.java
```

```
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/transfer/PersistableUpload.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/crypto/v1/ContentCryptoMaterial.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/crypto/AesGcm.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/crypto/AesCbc.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/crypto/CipherLiteInputStream.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/crypto/CipherLite.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/crypto/v1/S3ObjectWrapper.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/CryptoMode.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/crypto/v1/S3CryptoScheme.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/crypto/v1/S3CryptoModuleEO.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/AWSS3V4Signer.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/crypto/v1/CryptoModuleDispatcher.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/DigestValidationInputStream.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/transfer/internal/S3ProgressListenerChain.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/crypto/v2/ContentCryptoMaterial.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/crypto/v2/S3ObjectWrapper.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/crypto/v1/S3CryptoModuleAE.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/crypto/v1/S3CryptoModule.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/crypto/GCMCipherLite.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/transfer/exception/PauseException.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/crypto/ContentCryptoScheme.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/AmazonS3EncryptionClient.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/crypto/CryptoRuntime.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/crypto/v2/S3CryptoModuleBase.java
```

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* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/crypto/v1/S3CryptoModuleBase.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/crypto/v1/MultipartUploadCbcContext.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/transfer/PauseStatus.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/crypto/RenewableCipherLiteInputStream.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/transfer/internal/S3ProgressPublisher.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/crypto/v1/S3CryptoModuleAEStrict.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/crypto/v1/MultipartUploadCryptoContext.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/crypto/v2/S3CryptoModuleAEStrict.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/crypto/v1/S3KeyWrapScheme.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/transfer/PersistableTransfer.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/crypto/v2/MultipartUploadCryptoContext.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/AmazonS3Encryption.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/crypto/keywrap/InternalKeyWrapAlgorithm.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/AmazonS3EncryptionClientV2.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/transfer/internal/S3ProgressListener.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/AmazonS3EncryptionV2.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/crypto/v2/S3CryptoModule.java
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* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-jar/com/amazonaws/services/s3/transfer/internal/DownloadS3ObjectCallable.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-jar/com/amazonaws/services/s3/transfer/ObjectCannedAclProvider.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-jar/com/amazonaws/services/s3/internal/S3ObjectLambdasResource.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-jar/com/amazonaws/services/s3/internal/S3AccessPointBuilder.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-jar/com/amazonaws/services/s3/model/ScanRange.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-jar/com/amazonaws/services/s3/transfer/internal/PreparedDownloadContext.java

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 */
/***
 * Gets the optional <code>versionIdMarker</code> parameter indicating where in the
 * sorted list of all versions in the specified bucket to begin returning
 * results. Results are always ordered first lexicographically (i.e.
 * alphabetically) and then from most recent version to least recent
 * version.
 * <p>
 * A key marker must be specified when specifying a <code>versionIdMarker</code>.
 * Results begin immediately after the version with the specified key and
 * version ID.
 * </p>
 *
 * @return The optional <code>versionIdMarker</code> parameter indicating where in the
 * sorted list of all versions in the specified bucket to begin
 * returning results.
 */
```

```
* @see ListVersionsRequest#setVersionIdMarker(String)
* @see ListVersionsRequest#withVersionIdMarker(String)
*/
```

Found in path(s):

```
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/ListVersionsRequest.java
```

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* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/S3DataSource.java
```

```
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/KeyWrapException.java
```

```
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/NotificationConfiguration.java
```

```
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/PutInstructionFileRequest.java
```

```
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/S3DirectSpi.java
```

```
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/PartCreationEvent.java
```

```
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/TopicConfiguration.java
```

```
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/SimpleMaterialProvider.java
```

```
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/transfer/MultipleFileTransferProgressUpdatingListener.java
```

```
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/InstructionFileId.java
```

```
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/FileDeletionEvent.java
```

```
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
```

```
jar/com/amazonaws/services/s3/internal/AmazonS3ExceptionBuilder.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/MaterialsDescriptionProvider.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/S3ObjectIdBuilder.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/MultiFileOutputStream.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/auth/DecodedStreamBuffer.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/transfer/MultipleFileTransferStateChangeListener.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/CloudFunctionConfiguration.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/EncryptedPutObjectRequest.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/SSEAwsKeyManagementParamsProvider.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/EncryptionMaterialsFactory.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/AbstractPutObjectRequest.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/OnFileDelete.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/SSEAwsKeyManagementParams.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/transfer/internal/S3SyncProgressListener.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/PutObjectRequest.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/KMSEncryptionMaterialsProvider.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/EncryptedInitiateMultipartUploadRequest.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/S3ObjectId.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/SSECUSTOMERKEYProvider.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/ExtraMaterialsDescription.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/auth/ChunkContentIterator.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/S3Direct.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/UploadObjectObserver.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/S3Event.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
```

```
jar/com/amazonaws/services/s3/model/QueueConfiguration.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/EncryptedGetObjectRequest.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/SSECustomerKey.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/AmazonS3URI.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/UploadObjectRequest.java
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jar/com/amazonaws/services/s3/internal/S3ObjectLambdaEndpointBuilder.java
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* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/S3ObjectLambdaOperationEndpointBuilder.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/WriteGetObjectResponseRequest.java
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jar/com/amazonaws/services/s3/waiters/HeadObjectFunction.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/waiters/HeadBucketFunction.java
```

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jar/com/amazonaws/services/s3/model/ListObjectsV2Request.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/GetBucketWebsiteConfigurationRequest.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/RoutingRuleCondition.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/RedirectRule.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/InitiateMultipartUploadHeaderHandler.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/Tier.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/transfer/TransferManagerParams.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
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* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
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jar/com/amazonaws/services/s3/model/SetBucketAclRequest.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
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* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
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* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
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* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
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* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
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* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
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* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
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* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
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* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/DeleteBucketPolicyRequest.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/GetBucketLocationRequest.java
```

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* permissions and limitations under the License.  
*/  
/**  
* Interface for providing encryption materials.  
* Implementations are free to use any strategy for providing encryption  
* materials, such as simply providing static material that doesn't change,  
* or more complicated implementations, such as integrating with existing  
* key management systems.  
*/
```

Found in path(s):

```
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-jar/com/amazonaws/services/s3/model/EncryptionMaterialsProvider.java
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*/
```

```
// The Amazon S3 DevPay token header is a special exception and can be safely moved
```

Found in path(s):

```
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jar/com/amazonaws/services/s3/model/SetBucketIntelligentTieringConfigurationResult.java  
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-  
jar/com/amazonaws/services/s3/model/ListBucketIntelligentTieringConfigurationsRequest.java  
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-  
jar/com/amazonaws/services/s3/model/intelligenttiering/IntelligentTieringFilterPredicate.java  
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-  
jar/com/amazonaws/services/s3/model/intelligenttiering/Tiering.java  
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-  
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* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-  
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* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-  
jar/com/amazonaws/services/s3/model/intelligenttiering/IntelligentTieringPrefixPredicate.java  
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-  
jar/com/amazonaws/services/s3/model/CryptoRangeGetMode.java  
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-  
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* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-  
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* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-  
jar/com/amazonaws/services/s3/model/intelligenttiering/IntelligentTieringFilter.java  
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-  
jar/com/amazonaws/services/s3/model/intelligenttiering/IntelligentTieringConfiguration.java  
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-  
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jar/com/amazonaws/services/s3/model/intelligenttiering/IntelligentTieringAndOperator.java  
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-  
jar/com/amazonaws/services/s3/model/ListBucketIntelligentTieringConfigurationsResult.java  
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
```

```
jar/com/amazonaws/services/s3/model/DeleteBucketIntelligentTieringConfigurationResult.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/intelligenttiering/IntelligentTieringNArayOperator.java
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jar/com/amazonaws/services/s3/waiters/AmazonS3Waiters.java
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jar/com/amazonaws/services/s3/model/DeleteBucketOwnershipControlsRequest.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/lifecycle/LifecyclePredicateVisitor.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/ListBucketInventoryConfigurationsRequest.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
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* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
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jar/com/amazonaws/services/s3/model/DeleteBucketOwnershipControlsResult.java  
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* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-  
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jar/com/amazonaws/services/s3/internal/crypto/v2/SecuredCEK.java
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* /opt/cola/permits/1261985982_1643339959.71/aws-java-sdk-s3-1-12-57-sources-
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* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
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* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
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* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/SetObjectRetentionResult.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/ObjectLockLegalHold.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
```

```
jar/com/amazonaws/services/s3/model>SelectObjectContentException.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/SetObjectLockConfigurationResult.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/ObjectLockEnabled.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/JSONInput.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model>SelectObjectContentResult.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/JSONOutput.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/transfer/PresignedUrlDownload.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/transform/ObjectLockRetentionXmlFactory.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/transfer/internal/PresignUrlDownloadCallable.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/transfer/internal/AbstractDownloadCallable.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/transfer/internal/PresignedUrlDownloadImpl.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/UploadObjectStrategy.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/transfer/internal/AbstractDownloadCallableConfig.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/GetObjectLegalHoldRequest.java
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jar/com/amazonaws/services/s3/model/Filter.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
```

```
jar/com/amazonaws/services/s3/model/SetObjectAclRequest.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/transform/TopicConfigurationStaxUnmarshaller.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/CompleteMultipartUploadRetryCondition.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/transform/ProgressStaxUnmarshaller.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/transform/FilterStaxUnmarshaller.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/LambdaConfiguration.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/transform/LambdaConfigurationStaxUnmarshaller.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/SSEAlgorithm.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/request/S3HandlerContextKeys.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/transform/QueueConfigurationStaxUnmarshaller.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/HeadBucketResult.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/GetBucketReplicationConfigurationRequest.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/transform/ServerSideEncryptionRuleStaxUnmarshaller.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/BucketReplicationConfiguration.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/DeleteBucketReplicationConfigurationRequest.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/AbstractAmazonS3EncryptionV2.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/transfer/TransferCompletionFilter.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/GetBucketNotificationConfigurationRequest.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/SetBucketAccelerateConfigurationRequest.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/transform/FilterRuleStaxUnmarshaller.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/ReplicationRuleStatus.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/CompleteMultipartUploadRetryablePredicate.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/S3KeyFilter.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/transform/GetBucketEncryptionStaxUnmarshaller.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
```

```
jar/com/amazonaws/services/s3/AbstractAmazonS3.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/transform/GetPublicAccessBlockStaxUnmarshaller.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/ReplicationRule.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/GetS3AccountOwnerRequest.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/transform/NotificationConfigurationStaxUnmarshaller.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/transfer/exception/FileLockException.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/transform/S3KeyFilterStaxUnmarshaller.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/BucketAccelerateConfiguration.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/ReplicationDestinationConfig.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/transform/HeadBucketResultHandler.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/transform/BucketNotificationConfigurationStaxUnmarshaller.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/transform/GetBucketPolicyStatusStaxUnmarshaller.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/FilterRule.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/transform/StatsStaxUnmarshaller.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/transform/ServerSideEncryptionByDefaultStaxUnmarshaller.java
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jar/com/amazonaws/services/s3/transfer/internal/PresignedUrlRetryableDownloadTaskImpl.java

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jar/com/amazonaws/services/s3/internal/eventstreaming/Message.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/eventstreaming/Header.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/eventstreaming/HeaderValue.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/eventstreaming/Prelude.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/eventstreaming/Checksums.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/eventstreaming/HeaderType.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/eventstreaming/Utils.java
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jar/com/amazonaws/services/s3/internal/SetObjectTaggingResponseHeaderHandler.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/GetObjectTaggingResponseHeaderHandler.java
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jar/com/amazonaws/services/s3/AmazonS3EncryptionClientParams.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/AmazonS3EncryptionClientBuilder.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/AmazonS3EncryptionClientV2Params.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/transfer/KeyFilter.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/AmazonS3EncryptionClientParamsWrapper.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/AmazonS3EncryptionClientV2Builder.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/AmazonS3EncryptionClientV2ParamsWrapper.java
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jar/com/amazonaws/services/s3/model/S3Object.java
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jar/com/amazonaws/services/s3/model/ExpectedBucketOwnerRequest.java  
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-  
jar/com/amazonaws/services/s3/model/ExpectedSourceBucketOwnerRequest.java
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jar/com/amazonaws/services/s3/model/KMSEncryptionMaterials.java
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jar/com/amazonaws/services/s3/model/MultiObjectDeleteException.java
```

```
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-  
jar/com/amazonaws/services/s3/model/CopyPartRequest.java
```

```
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-  
jar/com/amazonaws/services/s3/internal/HeaderHandler.java
```

```
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-  
jar/com/amazonaws/services/s3/model/DeleteObjectsResult.java
```

```
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-  
jar/com/amazonaws/services/s3/internal/ServerSideEncryptionHeaderHandler.java
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```
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-  
jar/com/amazonaws/services/s3/model/BucketLifecycleConfiguration.java
```

```
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-  
jar/com/amazonaws/services/s3/model/GenericBucketRequest.java
```

```
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-  
jar/com/amazonaws/services/s3/internal/ServerSideEncryptionResult.java
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```
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-  
jar/com/amazonaws/services/s3/model/ResponseHeaderOverrides.java
```

```
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/SetBucketNotificationConfigurationRequest.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/transfer/internal/TransferMonitor.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/ObjectRestoreResult.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/DeleteObjectsResponse.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/ObjectExpirationResult.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/CopyPartResult.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
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* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
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* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/CORSRule.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/BucketCrossOriginConfiguration.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/transfer/internal/UploadMonitor.java
```

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jar/com/amazonaws/services/s3/internal/AbstractRepeatableCipherInputStream.java
```

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Found in path(s):

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* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-  
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jar/com/amazonaws/services/s3/model/WebsiteConfiguration.java
```

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* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-jar/com/amazonaws/services/s3/model/transform/LifecyclePredicateVisitorImpl.java
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* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-jar/com/amazonaws/services/s3/transfer/internal/UploadPartRequestFactory.java
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jar/com/amazonaws/services/s3/model/CannedAccessControlList.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/S3AccessPointResource.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/InputSubstream.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/SetPublicAccessBlockRequest.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/VersionListing.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/AbortMultipartUploadRequest.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/auth/policy/actions/S3Actions.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/InitiateMultipartUploadResult.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/ReplicationTimeValue.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/Encryption.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/MultipartUploadListing.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/ownership/ObjectOwnership.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/transfer/Transfer.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/S3RestoreOutputPathHeaderHandler.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/transfer/internal/TransferManagerUtils.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/S3XmlResponseHandler.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/transfer/internal/UploadPartCallable.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/SetPublicAccessBlockResult.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/S3ClientOptions.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/S3VersionHeaderHandler.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/transform/MetricsPredicateVisitorImpl.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
```

```
jar/com/amazonaws/services/s3/internal/RegionalEndpointsOptionResolver.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/CreateBucketRequest.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/MetadataEntry.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/DeletePublicAccessBlockResult.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/transfer/ObjectTaggingProvider.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/OutputLocation.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/ListMultipartUploadsRequest.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/UploadPartRequest.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/DeleteBucketRequest.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/ObjectMetadata.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/auth/policy/resources/S3ObjectResource.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/S3ObjectResource.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/ListObjectsRequest.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/ownership/OwnershipControlsRule.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/GetRequestPaymentConfigurationRequest.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/EncryptionMaterials.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/S3ErrorResponseHandler.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/S3ArnConverter.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/ListBucketsRequest.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/StorageClass.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/RestoreObjectResult.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/S3Location.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/ReplicationTime.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/transfer/internal/CopyCallable.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
```

```
jar/com/amazonaws/services/s3/model/IllegalBucketNameException.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/transfer/internal/CopyImpl.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/GetObjectMetadataRequest.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/internal/AbstractS3ResponseHandler.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/DeletePublicAccessBlockRequest.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/AmazonS3.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-
jar/com/amazonaws/services/s3/model/QuoteFields.java
```

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```
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 */
/***
 * Synchronous client for accessing Amazon S3.
 *
 * <h1>Appendix: Amazon S3 client-side encryption meta information</h1>
 *
 * <h2>Introduction</h2>
 * <p>
 * This appendix summarizes the current crypto related meta information
 * associated with an S3 object encrypted using SDK client-side encryption. In
 * SDK's terminology, these meta information are classified as "user metadata".
 * In general, the meta information is just a map of key/value pairs. Physically
 * they are persisted either as metadata of the encrypted S3 object, or as a
 * separate S3 object called an "instruction file" (which is just a JSON file in
 * plaintext.) For all references to the Cipher Algorithm Names, Modes, and Padding,
 * such as <code>"AES/GCM/NoPadding"</code>, please refer to Oracle's <a
 * href="http://docs.oracle.com/javase/7/docs/technotes/guides/security/StandardNames.html"
 * >Java&trade; Cryptography Architecture Standard Algorithm Name Documentation</a>
 * for more details.
 *
```

- * <h2>S3 metadata vs instruction file</h2>
- * <p>
- * Note when a key/value pair is stored as "user metadata" as part of the S3 metadata, the SDK always adds an additional prefix of x-amz-meta- to the key name. In contrast, the SDK doesn't add any prefix when the key names are stored in an instruction file. (The reason has to do with how the http headers are handled.)
- * <p>
- * For example, x-amz-key would get stored as x-amz-meta-x-amz-key in S3 metadata. In contrast, x-amz-key would simply be stored as is (ie without the prefix) in an instruction file. All the keys described below are considered "user metadata" by the SDK.
- *
- * <h2>S3 1st gen crypto meta information</h2>
- * <p>
- * For non-KMS client side encryption, this crypto meta information is used to support the "Encryption Only" crypto mode (which involves the use of <code>AES/CBC/PKCS5Padding</code> for content encryption, and <code>AES/ECB</code> for encrypting the one-time randomly generated data key). For KMS client-side encryption, the 2nd gen crypto meta information is used.
- * <h3>Scope</h3>
- * This metadata can only be generated when encrypting using the V1 encryption client, { @link com.amazonaws.services.s3.AmazonS3EncryptionClient}, but can be interpreted (decrypted) by { @link com.amazonaws.services.s3.AmazonS3EncryptionClientV2}.
- * The format is also known as v1 metadata, but because there are now v1 and v2 clients, the term v1 metadata is confusing.
- * <p>
- * Encryption: { @link com.amazonaws.services.s3.AmazonS3EncryptionClient}, crypto mode EncryptionOnly

- * Decryption: { @link com.amazonaws.services.s3.AmazonS3EncryptionClient}, crypto mode EncryptionOnly or { @link com.amazonaws.services.s3.AmazonS3EncryptionClientV2}, crypto mode AuthenticationOnly
- * <p>
- * <h3>Metadata</h3>
- * <table border=1>
- * <tr aligned="left">
- * <th>key</th>
- * <th>description</th>
- * </tr>
- * <tr>
- * <td width="200">x-amz-key</td>
- * <td>Content encrypting key (cek) in encrypted form, base64 encoded. The cek is randomly generated per S3 object, and is always an AES 256-bit key. The corresponding cipher is always "AES/CBC/PKCS5Padding".</td>
- * </tr>
- * <tr>
- * <td>x-amz-iv</td>
- * <td>Randomly generated IV (per S3 object), base64 encoded</td>

```

* </tr>
* <tr>
* <td><b>x-amz-matdesc </b></td>
* <td>Customer provided material description in JSON (UTF8) format. Used to
* identify the client-side master key (ie used to encrypt/wrap the generated
* content encrypting key).</td>
* </tr>
* <tr>
* <td><b>x-amz-unencrypted-content-length</b></td>
* <td>Unencrypted content length (optional but should be specified whenever
* possible).</td>
* </tr>
* </table>
* <p>
* <h2>S3 2nd gen crypto meta information</h2>
* <p>
* This crypto meta information is used to support both authenticated
* encryption (which involves the use of <code>AES/GCM/NoPadding</code> for
* content encryption, and key wrapping for the one-time randomly generated data
* key), and KMS client-side encryption (which can either be encryption-only or
* authenticated encryption).
* <h3>Scope</h3>
* 2nd gen metadata can be generated/encrypted by both the V1 and V2 encryption clients.
* The format is also known as v2 metadata, but this is confusing since the V1 client also generates
* 2nd gen metadata in the AuthenticatedEncryption and StrictAuthenticatedEncryption modes.
* <p>
* <b>Encryption:</b> { @link com.amazonaws.services.s3.AmazonS3EncryptionClient }/
* { @link com.amazonaws.services.s3.AmazonS3EncryptionClient }, crypto modes AuthenticatedEncryption and
* StrictAuthenticatedEncryption<br>
* <b>Decryption:</b> { @link com.amazonaws.services.s3.AmazonS3EncryptionClient }, all crypto modes, or
* { @link com.amazonaws.services.s3.AmazonS3EncryptionClientV2 }, crypto modes AuthenticatedEncryption and
* StrictAuthenticatedEncryption.
* <p>
* <b>Note:</b>
* While the V1 client can both generate and interpret 2nd gen metadata, it cannot decrypt any object encrypted
* using the V2 client, because the values of <b>x-amz-wrap-alg</b> differ.
* <p>
* <h3>Metadata used the same way by V1 and V2 clients</h3>
* <table border=1>
* <tr aligned="left">
* <th>key</th>
* <th>description</th>
* </tr>
* <tr>
* <td width="200"><b>x-amz-key-v2</b></td>
* <td>CEK in key wrapped form. This is necessary so that the S3 encryption
* client that doesn't recognize the v2 format will not mistakenly decrypt S3
* object encrypted in v2 format.</td>

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* </tr>
* <tr>
* <td><b>x-amz-iv</b></td>
* <td>Randomly generated IV (per S3 object), base64 encoded. (Same as v1.)</td>
* </tr>
* <td><b>x-amz-unencrypted-content-length</b></td>
* <td>Unencrypted content length. (optional but should be specified whenever
* possible. Same as v1.)</td>
* </tr>
* <tr>
* <td><b>x-amz-tag-len</b></td>
* <td>Tag length (in bits) when AEAD is in use.
* <ul>
* <li>Only applicable if AEAD is in use. This meta information is absent
* otherwise, or if KMS is in use.</li>
* <li>Supported value: <code>"128"</code></li>
* </ul>
* </td>
* </tr>
* </table>
* <h3>Metadata using V1 client</h3>
* <table border=1>
* <tr aligned="left">
* <th>key</th>
* <th>description</th>
* </tr>
* <td><b>x-amz-matdesc</b></td>
* <td>Customer provided material description in JSON format. (Same as v1). Used
* to identify the client-side master key.
* <ul>
* <li>For KMS client side encryption, the KMS Customer Master Key ID is stored
* as part of the material description, <b>x-amz-matdesc</b>, under the key-name
* <code>"kms_cmk_id"</code>.</li>
* </ul>
* </td>
* </tr>
* <tr>
* <td><b>x-amz-wrap-alg</b></td>
* <td>Key wrapping algorithm used.
* <ul>
* <li>Supported values:
* <code>"AESWrap", "RSA/ECB/OAEPWithSHA-256AndMGF1Padding", "kms"</code></li>
* <li>No standard key wrapping is used if this meta information is absent</li>
* <li>Always set to <b>"kms"</b> if KMS is used for client-side encryption</li>
* </ul>
* </td>
* </tr>
* <tr>

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```

* <td><b>x-amz-cek-alg</b></td>
* <td>Content encryption algorithm used.
* <ul>
* <li>Supported values:
* <code>"AES/GCM/NoPadding", "AES/CBC/PKCS5Padding"</code></li>
* <li>Default to <code>"AES/CBC/PKCS5Padding"</code> if this key is absent.</li>
* </ul>
* </td>
* </tr>
* </table>
* <h3>Metadata using V2 client</h3>
* <table border=1>
* <tr aligned="left">
* <th>key</th>
* <th>description</th>
* </tr>
* <tr>
* <td><b>x-amz-matdesc</b></td>
* <td>Customer provided material description in JSON format. (Same as v1). For KMS client side encryption,
* the cek algorithm is stored as part of the material description under the key-name <code>aws:x-amz-cek-
alg</code>.
* </td>
* </tr>
* <tr>
* <td><b>x-amz-wrap-alg</b></td>
* <td>Key wrapping algorithm used.
* <ul>
* <li>Supported values:
* <code>"AES/GCM/NoPadding" (symmetric default), "RSA-OAEP-SHA1", "RSA-OAEP-SHA1" (asymmetric
default), "kms"</code>
* </li>
* <li>No standard key wrapping is used if this meta information is absent</li>
* <li>Always set to <b>"kms"</b> if KMS is used for client-side encryption</li>
* </ul>
* </td>
* </tr>
* <tr>
* <td><b>x-amz-cek-alg</b></td>
* <td>Content encryption algorithm used. Supported values: <code>"AES/GCM/NoPadding"</code>
* </td>
* </tr>
* </table>
* <p>
* <h3>KMS Integration for client-side encryption</h3>
* <ol>
* <li>All client-side KMS protected S3 objects are stored in v2 crypto meta information
* format. However, the key wrapping algorithm, <b>x-amz-wrap-alg</b> is always
* set to <b>"kms"</b>.</li>

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- * For V1 clients, the KMS Customer Master Key ID is currently stored as part of the material description, x-amz-matdesc, under the key-name "kms_cmk_id".
- * For V2 clients, the KMS Customer Master Key ID is not stored as part of the material description and must be supplied by the decrypting client.
- *
- * <p>
- * <h4>Sample S3 crypto meta information for KMS client-side encryption</h4>
- * <p>
- * <h5>V1 client, CryptoMode: EncryptionOnly</h5>
- *
- * <pre>
- * x-amz-meta-x-amz-key-v2:
- *
- CiAJ2GqwpJRnt4izujwoalC2YdNRNSMEslG5rw3pEI+J8hKnAQEBAwB4CdhqsKSUZ7eIs7o8KGpQtmHTUTUjBLJRua8N6RCPifIAAAB+MHwGCSqGSIB3DQEHBqBvMG0CAQAwAAYJKoZIhvcNAQcBMB4GCWCGSAFlAwQBLjARBAytD0rzN3KHZViWixDVcCARCAOwhZ6xA8rob3Z0mNx3uKFieHKVylC/PKlchALvG1oVLnf86mcZJNpTXtwMkKkDocVj3Z1zGjZTufFsOH
- * x-amz-iv: xqOHh+M6y0UogwG5SHJM3Q==
- * x-amz-unencrypted-content-length: 32768
- * x-amz-cek-alg: AES/CBC/PKCS5Padding
- * x-amz-wrap-alg: kms
- * x-amz-matdesc: { "kms_cmk_id": "d3fd2273-4ca0-4da5-b1c2-c89742ec6a26" }
- * </pre>
- *
- * <h5>V1 client, CryptoMode: AuthenticatedEncryption/StrictAuthenticatedEncryption</h5>
- *
- * <pre>
- * x-amz-key-v2:
- CiAJ2GqwpJRnt4izujwoalC2YdNRNSMEslG5rw3pEI+J8hKnAQEBAwB4CdhqsKSUZ7eIs7o8KGpQtmHTUTUjBLJRua8N6RCPifIAAAB+MHwGCSqGSIB3DQEHBqBvMG0CAQAwAAYJKoZIhvcNAQcBMB4GCWCGSAFlAwQBLjARBAytFVyW4I6QmwcPK1ECARCAO1VzoM6Kx9DHyNMm/BEbbjle2vLA7IY7f9OkUoSqrxdgKxpNID9QaL/7928m1Djtld0bJpHefjm89C
- * x-amz-iv: VZBksyij6DhrUMye
- * x-amz-unencrypted-content-length: 32768
- * x-amz-cek-alg: AES/GCM/NoPadding
- * x-amz-wrap-alg: kms
- * x-amz-matdesc: { "kms_cmk_id": "d3fd2273-4ca0-4da5-b1c2-c89742ec6a26" }
- * x-amz-tag-len: 128
- * </pre>
- *
- * <h5>V2 client, CryptoMode: AuthenticatedEncryption/StrictAuthenticatedEncryption</h5>
- *
- * <pre>
- * x-amz-key-v2:
- CiAJ2GqwpJRnt4izujwoalC2YdNRNSMEslG5rw3pEI+J8hKnAQEBAwB4CdhqsKSUZ7eIs7o8KGpQtmHTUTUjBLJRua8N6RCPifIAAAB+MHwGCSqGSIB3DQEHBqBvMG0CAQAwAAYJKoZIhvcNAQcBMB4GCWCGSAFlAwQBLjARBAytFVyW4I6QmwcPK1ECARCAO1VzoM6Kx9DHyNMm/BEbbjle2vLA7IY7f9OkUoSqrxdgKxp

NID9QaL/7928m1Djtld0bJpHefjm89C

- * x-amz-iv: VZBksyij6DhrUMye
- * x-amz-unencrypted-content-length: 32768
- * x-amz-cek-alg: AES/GCM/NoPadding
- * x-amz-wrap-alg: kms
- * x-amz-matdesc: {"aws:x-amz-cek-alg":"AES/GCM/NoPadding"}
- * x-amz-tag-len: 128
- * </pre>
- *
- * <h2>S3 metadata of an instruction file</h2>
- * <p>
- * The following key is always included as part of the S3 metadata of the
- * instruction file (which is just an S3 object). Since the SDK treats this key
- * as "user metadata", the key name is always prefixed with x-amz-meta-
- * when physically stored.
- * <p>
- * <table border=1>
- * <tr aligned="left">
- * <th>key</th>
- * <th>description</th>
- * </tr>
- * <tr>
- * <td width="200">x-amz-crypto-instr-file</td>
- * <td>the presence of this key is used to indicate this S3 object is an
- * instruction file (of an associated client-side encrypted S3 object).</td>
- * </tr>
- * </table>
- */

Found in path(s):

- * /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-jar/com/amazonaws/services/s3/package-info.java

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 */
```

Found in path(s):

```
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-jar/com/amazonaws/services/s3/event/S3EventNotification.java
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```
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-jar/com/amazonaws/services/s3/transfer/Download.java
```

```
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-jar/com/amazonaws/services/s3/iterable/S3Versions.java
```

```
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-jar/com/amazonaws/services/s3/iterable/S3Objects.java
```

```
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-jar/com/amazonaws/services/s3/model/StaticEncryptionMaterialsProvider.java
```

```
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-jar/com/amazonaws/services/s3/transfer/internal/DownloadImpl.java
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Found in path(s):

* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-jar/com/amazonaws/services/s3/model/SetBucketEncryptionResult.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-jar/com/amazonaws/services/s3/model/DeleteMarkerReplication.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-jar/com/amazonaws/services/s3/model/DeleteBucketEncryptionResult.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-jar/com/amazonaws/services/s3/model/SetBucketEncryptionRequest.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-jar/com/amazonaws/services/s3/model/inventory/ServerSideEncryptionS3.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-jar/com/amazonaws/services/s3/model/SourceSelectionCriteria.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-jar/com/amazonaws/services/s3/model/inventory/ServerSideEncryptionKMS.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-jar/com/amazonaws/services/s3/model/inventory/InventoryEncryption.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-jar/com/amazonaws/services/s3/model/SseKmsEncryptedObjects.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-jar/com/amazonaws/services/s3/model/ReplicaModificationsStatus.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-jar/com/amazonaws/services/s3/model/ServerSideEncryptionRule.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-jar/com/amazonaws/services/s3/model/DeleteBucketEncryptionRequest.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-jar/com/amazonaws/services/s3/model/ReplicaModifications.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-jar/com/amazonaws/services/s3/model/EncryptionConfiguration.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-jar/com/amazonaws/services/s3/model/DeleteMarkerReplicationStatus.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-jar/com/amazonaws/services/s3/model/ServerSideEncryptionConfiguration.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-jar/com/amazonaws/services/s3/model/ExistingObjectReplication.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-jar/com/amazonaws/services/s3/model/GetBucketEncryptionResult.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-jar/com/amazonaws/services/s3/model/ServerSideEncryptionByDefault.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-jar/com/amazonaws/services/s3/model/GetBucketEncryptionRequest.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-jar/com/amazonaws/services/s3/model/ExistingObjectReplicationStatus.java
* /opt/cola/permits/1261985982_1643339959.71/0/aws-java-sdk-s3-1-12-57-sources-jar/com/amazonaws/services/s3/model/SseKmsEncryptedObjectsStatus.java

1.250 commons-collections 3.2.2

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1.251 libphonenumbers 8.12.52

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Manifest-Version: 1.0

Created-By: Apache Maven Bundle Plugin

Built-By: penmetsaa

Build-Jdk: 1.8.0_181-google-v7

Bnd-LastModified: 1658224962566

Bundle-Description: Google's common Java library for parsing, formatting, storing and validating international phone numbers. Optimized for running on smartphones.

Bundle-DocURL: <http://www.google.com/>

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

Bundle-ManifestVersion: 2

Bundle-Name: libphonenumbers

Bundle-SymbolicName: com.googlecode.libphonenumbers

Bundle-Vendor: Google

Bundle-Version: 8.12.52

Export-Package: com.google.i18n.phonenumbers;version="8.12.52"

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

Tool: Bnd-3.2.0.201605172007

Found in path(s):

* /opt/cola/permits/1440171919_1665577936.1781595/0/libphonenumbers-8-12-52-1-jar/META-

1.252 commons-beanutils 1.9.4

1.252.1 Available under license :

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1.253 java-cacerts 1.0-r1

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1.254 swagger 2.2.0

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1.255 classgraph 4.8.147

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1.256 spring-data-rest-core 3.6.7

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* /opt/cola/permits/1501219102_1670451575.3577256/0/spring-data-rest-core-3-6-7-sources-1-
jar/org/springframework/data/rest/core/mapping/ResourceDescription.java
* /opt/cola/permits/1501219102_1670451575.3577256/0/spring-data-rest-core-3-6-7-sources-1-
jar/org/springframework/data/rest/core/mapping/SimpleResourceDescription.java
* /opt/cola/permits/1501219102_1670451575.3577256/0/spring-data-rest-core-3-6-7-sources-1-
jar/org/springframework/data/rest/core/config/MetadataConfiguration.java
* /opt/cola/permits/1501219102_1670451575.3577256/0/spring-data-rest-core-3-6-7-sources-1-
jar/org/springframework/data/rest/core/config/ProjectionDefinitionConfiguration.java
* /opt/cola/permits/1501219102_1670451575.3577256/0/spring-data-rest-core-3-6-7-sources-1-
jar/org/springframework/data/rest/core/mapping/ResourceType.java
* /opt/cola/permits/1501219102_1670451575.3577256/0/spring-data-rest-core-3-6-7-sources-1-
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* /opt/cola/permits/1501219102_1670451575.3577256/0/spring-data-rest-core-3-6-7-sources-1-
jar/org/springframework/data/rest/core/mapping/MappingResourceMetadata.java
* /opt/cola/permits/1501219102_1670451575.3577256/0/spring-data-rest-core-3-6-7-sources-1-
jar/org/springframework/data/rest/core/mapping/ParameterMetadata.java
* /opt/cola/permits/1501219102_1670451575.3577256/0/spring-data-rest-core-3-6-7-sources-1-
jar/org/springframework/data/rest/core/mapping/CrudMethodsSupportedHttpMethods.java
* /opt/cola/permits/1501219102_1670451575.3577256/0/spring-data-rest-core-3-6-7-sources-1-
jar/org/springframework/data/rest/core/mapping/ResolvableResourceDescriptionSupport.java
* /opt/cola/permits/1501219102_1670451575.3577256/0/spring-data-rest-core-3-6-7-sources-1-
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jar/org/springframework/data/rest/core/mapping/ParametersMetadata.java
* /opt/cola/permits/1501219102_1670451575.3577256/0/spring-data-rest-core-3-6-7-sources-1-
jar/org/springframework/data/rest/core/mapping/SupportedHttpMethods.java
* /opt/cola/permits/1501219102_1670451575.3577256/0/spring-data-rest-core-3-6-7-sources-1-
jar/org/springframework/data/rest/core/mapping/TypedResourceDescription.java
* /opt/cola/permits/1501219102_1670451575.3577256/0/spring-data-rest-core-3-6-7-sources-1-
jar/org/springframework/data/rest/core/mapping/AnnotationBasedResourceDescription.java
* /opt/cola/permits/1501219102_1670451575.3577256/0/spring-data-rest-core-3-6-7-sources-1-
jar/org/springframework/data/rest/core/projection/ProjectionDefinitions.java
* /opt/cola/permits/1501219102_1670451575.3577256/0/spring-data-rest-core-3-6-7-sources-1-
jar/org/springframework/data/rest/core/mapping/ResourceMappings.java
* /opt/cola/permits/1501219102_1670451575.3577256/0/spring-data-rest-core-3-6-7-sources-1-
jar/org/springframework/data/rest/core/annotation/RepositoryRestResource.java
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jar/org/springframework/data/rest/core/mapping/HttpMethods.java
* /opt/cola/permits/1501219102_1670451575.3577256/0/spring-data-rest-core-3-6-7-sources-1-
jar/org/springframework/data/rest/core/mapping/ConfigurationApplyingSupportedHttpMethodsAdapter.java
* /opt/cola/permits/1501219102_1670451575.3577256/0/spring-data-rest-core-3-6-7-sources-1-
jar/org/springframework/data/rest/core/mapping/ComposableFilter.java
* /opt/cola/permits/1501219102_1670451575.3577256/0/spring-data-rest-core-3-6-7-sources-1-
jar/org/springframework/data/rest/core/mapping/ConfigurableHttpMethods.java
* /opt/cola/permits/1501219102_1670451575.3577256/0/spring-data-rest-core-3-6-7-sources-1-
jar/org/springframework/data/rest/core/mapping/ExposureConfigurer.java
* /opt/cola/permits/1501219102_1670451575.3577256/0/spring-data-rest-core-3-6-7-sources-1-
jar/org/springframework/data/rest/core/StringToLdapNameConverter.java
* /opt/cola/permits/1501219102_1670451575.3577256/0/spring-data-rest-core-3-6-7-sources-1-
jar/org/springframework/data/rest/core/mapping/ExposureConfiguration.java
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jar/org/springframework/data/rest/core/support/SelfLinkProvider.java
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* /opt/cola/permits/1501219102_1670451575.3577256/0/spring-data-rest-core-3-6-7-sources-1-
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* /opt/cola/permits/1501219102_1670451575.3577256/0/spring-data-rest-core-3-6-7-sources-1-
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* /opt/cola/permits/1501219102_1670451575.3577256/0/spring-data-rest-core-3-6-7-sources-1-
jar/org/springframework/data/rest/core/support/DefaultSelfLinkProvider.java
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* /opt/cola/permits/1501219102_1670451575.3577256/0/spring-data-rest-core-3-6-7-sources-1-
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* /opt/cola/permits/1501219102_1670451575.3577256/0/spring-data-rest-core-3-6-7-sources-1-
jar/org/springframework/data/rest/core/config/EntityLookupRegistrar.java
* /opt/cola/permits/1501219102_1670451575.3577256/0/spring-data-rest-core-3-6-7-sources-1-
jar/org/springframework/data/rest/core/support/EntityLookup.java

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jar/org/springframework/data/rest/core/annotation/RestResource.java
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jar/org/springframework/data/rest/core/annotation/HandleBeforeSave.java
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* /opt/cola/permits/1501219102_1670451575.3577256/0/spring-data-rest-core-3-6-7-sources-1-
jar/org/springframework/data/rest/core/annotation/HandleAfterLinkDelete.java
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jar/org/springframework/data/rest/core/support/ResourceMappingUtils.java
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* /opt/cola/permits/1501219102_1670451575.3577256/0/spring-data-rest-core-3-6-7-sources-1-
jar/org/springframework/data/rest/core/event/LinkedEntityEvent.java
* /opt/cola/permits/1501219102_1670451575.3577256/0/spring-data-rest-core-3-6-7-sources-1-
jar/org/springframework/data/rest/core/event/ValidatingRepositoryEventListener.java
* /opt/cola/permits/1501219102_1670451575.3577256/0/spring-data-rest-core-3-6-7-sources-1-
jar/org/springframework/data/rest/core/annotation/HandleAfterLinkSave.java
* /opt/cola/permits/1501219102_1670451575.3577256/0/spring-data-rest-core-3-6-7-sources-1-
jar/org/springframework/data/rest/core/UriToEntityConverter.java
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jar/org/springframework/data/rest/core/mapping/RepositoryCollectionResourceMapping.java
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* /opt/cola/permits/1501219102_1670451575.3577256/0/spring-data-rest-core-3-6-7-sources-1-
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jar/org/springframework/data/rest/core/mapping/EvoInflectorTypeBasedCollectionResourceMapping.java
* /opt/cola/permits/1501219102_1670451575.3577256/0/spring-data-rest-core-3-6-7-sources-1-
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* /opt/cola/permits/1501219102_1670451575.3577256/0/spring-data-rest-core-3-6-7-sources-1-
jar/org/springframework/data/rest/core/Path.java
* /opt/cola/permits/1501219102_1670451575.3577256/0/spring-data-rest-core-3-6-7-sources-1-
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* /opt/cola/permits/1501219102_1670451575.3577256/0/spring-data-rest-core-3-6-7-sources-1-
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* /opt/cola/permits/1501219102_1670451575.3577256/0/spring-data-rest-core-3-6-7-sources-1-
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jar/org/springframework/data/rest/core/mapping/CollectionResourceMapping.java  
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* /opt/cola/permits/1501219102_1670451575.3577256/0/spring-data-rest-core-3-6-7-sources-1-  
jar/org/springframework/data/rest/core/mapping/ResourceMetadata.java  
* /opt/cola/permits/1501219102_1670451575.3577256/0/spring-data-rest-core-3-6-7-sources-1-  
jar/org/springframework/data/rest/core/support/SimpleRelProvider.java  
* /opt/cola/permits/1501219102_1670451575.3577256/0/spring-data-rest-core-3-6-7-sources-1-  
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* /opt/cola/permits/1501219102_1670451575.3577256/0/spring-data-rest-core-3-6-7-sources-1-  
jar/org/springframework/data/rest/core/mapping/TypeBasedCollectionResourceMapping.java  
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* /opt/cola/permits/1501219102_1670451575.3577256/0/spring-data-rest-core-3-6-7-sources-1-  
jar/org/springframework/data/rest/core/support/RepositoryRelProvider.java
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```
* /opt/cola/permits/1534587304_1673951757.7099323/0/netty-transport-native-unix-common-4-1-86-final-sources-1-jar/io/netty/channel/unix/IntegerUnixChannelOption.java
* /opt/cola/permits/1534587304_1673951757.7099323/0/netty-transport-native-unix-common-4-1-86-final-sources-1-jar/io/netty/channel/unix/GenericUnixChannelOption.java
* /opt/cola/permits/1534587304_1673951757.7099323/0/netty-transport-native-unix-common-4-1-86-final-sources-1-jar/io/netty/channel/unix/RawUnixChannelOption.java
```

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```

Found in path(s):

```
* /opt/cola/permits/1534587304_1673951757.7099323/0/netty-transport-native-unix-common-4-1-86-final-sources-1-jar/io/netty/channel/unix/Buffer.java
```

```
* /opt/cola/permits/1534587304_1673951757.7099323/0/netty-transport-native-unix-common-4-1-86-final-sources-1-jar/netty_unix_buffer.c
* /opt/cola/permits/1534587304_1673951757.7099323/0/netty-transport-native-unix-common-4-1-86-final-sources-1-jar/io/netty/channel/unix/PreferredDirectByteBufAllocator.java
* /opt/cola/permits/1534587304_1673951757.7099323/0/netty-transport-native-unix-common-4-1-86-final-sources-1-jar/netty_unix_buffer.h
```

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 */
```

Found in path(s):

```
* /opt/cola/permits/1534587304_1673951757.7099323/0/netty-transport-native-unix-common-4-1-86-final-sources-1-jar/io/netty/channel/unix/UnixChannelOption.java
* /opt/cola/permits/1534587304_1673951757.7099323/0/netty-transport-native-unix-common-4-1-86-final-sources-1-jar/io/netty/channel/unix/package-info.java
* /opt/cola/permits/1534587304_1673951757.7099323/0/netty-transport-native-unix-common-4-1-86-final-sources-1-jar/io/netty/channel/unix/Unix.java
* /opt/cola/permits/1534587304_1673951757.7099323/0/netty-transport-native-unix-common-4-1-86-final-sources-1-jar/io/netty/channel/unix/IovArray.java
```

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 * License for the specific language governing permissions and limitations
```

```
* under the License.
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1534587304_1673951757.7099323/0/netty-transport-native-unix-common-4-1-86-final-sources-1-jar/io/netty/channel/unix/DatagramSocketAddress.java
* /opt/cola/permits/1534587304_1673951757.7099323/0/netty-transport-native-unix-common-4-1-86-final-sources-1-jar/netty_unix_socket.h
* /opt/cola/permits/1534587304_1673951757.7099323/0/netty-transport-native-unix-common-4-1-86-final-sources-1-jar/io/netty/channel/unix/DomainSocketReadMode.java
* /opt/cola/permits/1534587304_1673951757.7099323/0/netty-transport-native-unix-common-4-1-86-final-sources-1-jar/io/netty/channel/unix/DomainSocketChannel.java
* /opt/cola/permits/1534587304_1673951757.7099323/0/netty-transport-native-unix-common-4-1-86-final-sources-1-jar/io/netty/channel/unix/DomainSocketChannelConfig.java
* /opt/cola/permits/1534587304_1673951757.7099323/0/netty-transport-native-unix-common-4-1-86-final-sources-1-jar/io/netty/channel/unix/DomainSocketAddress.java
* /opt/cola/permits/1534587304_1673951757.7099323/0/netty-transport-native-unix-common-4-1-86-final-sources-1-jar/netty_unix_errors.h
* /opt/cola/permits/1534587304_1673951757.7099323/0/netty-transport-native-unix-common-4-1-86-final-sources-1-jar/io/netty/channel/unix/FileDescriptor.java
* /opt/cola/permits/1534587304_1673951757.7099323/0/netty-transport-native-unix-common-4-1-86-final-sources-1-jar/netty_unix_filedescriptor.c
* /opt/cola/permits/1534587304_1673951757.7099323/0/netty-transport-native-unix-common-4-1-86-final-sources-1-jar/io/netty/channel/unix/UnixChannel.java
* /opt/cola/permits/1534587304_1673951757.7099323/0/netty-transport-native-unix-common-4-1-86-final-sources-1-jar/netty_unix_errors.c
* /opt/cola/permits/1534587304_1673951757.7099323/0/netty-transport-native-unix-common-4-1-86-final-sources-1-jar/netty_unix_filedescriptor.h
* /opt/cola/permits/1534587304_1673951757.7099323/0/netty-transport-native-unix-common-4-1-86-final-sources-1-jar/io/netty/channel/unix/Errors.java
* /opt/cola/permits/1534587304_1673951757.7099323/0/netty-transport-native-unix-common-4-1-86-final-sources-1-jar/io/netty/channel/unix/ServerDomainSocketChannel.java
* /opt/cola/permits/1534587304_1673951757.7099323/0/netty-transport-native-unix-common-4-1-86-final-sources-1-jar/io/netty/channel/unix/NativeInetAddress.java
* /opt/cola/permits/1534587304_1673951757.7099323/0/netty-transport-native-unix-common-4-1-86-final-sources-1-jar/netty_unix_socket.c
* /opt/cola/permits/1534587304_1673951757.7099323/0/netty-transport-native-unix-common-4-1-86-final-sources-1-jar/io/netty/channel/unix/Socket.java
```

1.261 jakarta-validation-api 2.0.2

1.261.1 Available under license :

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```
/*
 * Jakarta Bean Validation API
 */
```

```
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*/
```

Found in path(s):

```
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/Validator.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/metadata/CascadableDescriptor.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/ConstraintTarget.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/constraints/FutureOrPresent.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/constraints/Null.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/ConstraintValidatorContext.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/metadata/ExecutableDescriptor.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/groups/Default.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/MessageInterpolator.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/metadata/package-info.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/valueextraction/Unwrapping.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/valueextraction/ValueExtractor.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/constraintvalidation/ValidationTarget.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/metadata/MethodDescriptor.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/package-info.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/UnexpectedTypeException.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/metadata/BeanDescriptor.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/constraints/Digits.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/bootstrap/ProviderSpecificBootstrap.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/valueextraction/UnwrapByDefault.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/constraints/NegativeOrZero.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
```

```
jar/javax/validation/ConstraintViolation.java  
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/ConstraintDefinitionException.java  
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/metadata/ValidateUnwrappedValue.java  
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/constraintvalidation/SupportedValidationTarget.java  
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/groups/package-info.java  
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/spi/ValidationProvider.java  
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/ElementKind.java  
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/metadata/GroupConversionDescriptor.java  
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/valueextraction/ExtractedValue.java  
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/bootstrap/GenericBootstrap.java  
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/metadata/MethodType.java  
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/valueextraction/ValueExtractorDeclarationException.java  
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/metadata/ConstructorDescriptor.java  
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/constraintvalidation/package-info.java  
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/constraints/AssertTrue.java  
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/Path.java  
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/executable/package-info.java  
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/valueextraction/package-info.java  
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/constraints/PositiveOrZero.java  
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/valueextraction/ValueExtractorDefinitionException.java  
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/BootstrapConfiguration.java  
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/metadata/ElementDescriptor.java  
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/metadata/ContainerElementTypeDescriptor.java  
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/GroupDefinitionException.java  
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
```

```
jar/javax/validation/constraints/Min.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/groups/ConvertGroup.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/metadata/Scope.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/constraints/Max.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/ReportAsSingleViolation.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/metadata/ReturnValueDescriptor.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/ParameterNameProvider.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/constraints/Pattern.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/NoProviderFoundException.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/Validation.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/ValidatorContext.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/constraints/NotBlank.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/spi/package-info.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/Constraint.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/Valid.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/metadata/CrossParameterDescriptor.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/ClockProvider.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/Configuration.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/executable/ValidateOnExecution.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/constraints/Size.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/constraints/PastOrPresent.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/ConstraintViolationException.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/bootstrap/package-info.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/TraversableResolver.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
```

```
jar/javax/validation/executable/ExecutableValidator.java  
* /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  
* /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  
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/metadata/ParameterDescriptor.java  
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/constraints/NotNull.java  
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/constraints/package-info.java  
* /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  
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/spi/BootstrapState.java  
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/constraints/Email.java  
* /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  
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/ConstraintValidator.java  
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/executable/ExecutableType.java  
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/constraints/AssertFalse.java  
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/constraints/Future.java  
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/constraints/DecimalMax.java  
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/constraints/Positive.java  
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/constraints/NotEmpty.java  
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
```

```
jar/javax/validation/spi/ConfigurationState.java  
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/Payload.java  
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/constraints/DecimalMin.java  
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/constraints/Past.java
```

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

~ Jakarta Bean Validation API

~

~ License: Apache License, Version 2.0

~ See the license.txt file in the root directory or <<http://www.apache.org/licenses/LICENSE>>

<![CDATA[

Comments to: bean-validation-dev@eclipse.org.

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Found in path(s):

```
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-jar/META-  
INF/maven/jakarta.validation/jakarta.validation-api/pom.xml
```

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