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1.7 gopkg-in-alecthomas-kingpin-v2 v2.2.6

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1.8 githubcomghodssyaml v1.0.1-0.20190212211648-25d852aebe32

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1.9 kelseyhightower-envconfig v1.4.0

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1.10 golang-protobuf-extensions v1.0.2-0.20181231171920-c182affec369

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1.11 goautoneg v0.0.0-20191010083416a7dc8b61c822

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1.16 bridgeutils 1.7.1

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1.17 bytebufferpool v1.0.0

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1.18 groupcache v0.0.0-20210331224755-41bb18bfe9da

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1.28 prometheus-procfs 0.0.2

1.28.1 Available under license:

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

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1.33 kubernetes-client 12.0.0+incompatible

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1.34 goautoneg 0.0.0-20191010083416a7dc8b61c822

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1.35 spf13-pflag 1.0.5

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1.36 go_serialization_benchmarks 2.2.6

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1.37 parse 0.0.0-20190718012654fb15b899a751

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1.38 go-test-deep 1.0.7

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1.39 kelseyhightower-envconfig 1.4.0

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1.41 prometheus-procfs 0.7.3

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The AUTHORS file lists the copyright holders; this file

lists people. For example, Google employees are listed here

but not in AUTHORS, because Google holds the copyright.

#

Names should be added to this file only after verifying that

the individual or the individual's organization has agreed to

the appropriate Contributor License Agreement, found here:

#

http://code.google.com/legal/individual-cla-v1.0.html

http://code.google.com/legal/corporate-cla-v1.0.html

#

The agreement for individuals can be filled out on the web.

Names should be added to this file like so:

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An entry with multiple email addresses specifies that the

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1.43 json-iterator-go 1.1.12

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1.44 modern-go-reflect2 1.0.2

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1.45 busybox 1.34.1

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1.52 valyala-histogram 1.2.0

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1.53 valyala-fastrand 1.1.0

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1.54 ghodss-yaml 1.0.1-0.20190212211648-25d852aebe32

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1.55 evanphx-json-patch 5.6.0

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1.56 x-sys 0.0.0-20190621062556bf70e4678053

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1.57 sigs-k8s-io-yaml v1.3.0

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1.63 zap 1.21.0

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1.65 protobuf v1.28.0

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1.67 groupcache 0.0.0-20210331224755-41bb18bfe9da

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1.68 golang-protobuf-extensions 1.0.2-0.20181231171920-c182affec369

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1.69 fsnotify 1.4.7

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1.70 prometheus-client 1.0.0

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1.71 quicktemplate 1.7.0

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1.72 go-openapi-jsonreference 0.20.0

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1.73 ./api (devel)

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1.75 githubcomfsnotifyfsnotify v1.5.4

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1.76 go-kit-log 0.2.1

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1.77 libc-utils 0.7.2-r3

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1.78 golang 1.18.4

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- # This source code was written by the Go contributors.
- # The master list of contributors is in the main Go distribution,
- # visible at http://tip.golang.org/CONTRIBUTORS.
- # This is the official list of people who can contribute
- # (and typically have contributed) code to the Go repository.
- # The AUTHORS file lists the copyright holders; this file
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- # Names should be added to this file only after verifying that
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- # http://code.google.com/legal/individual-cla-v1.0.html
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#

- # The agreement for individuals can be filled out on the web.
- # Names should be added to this file like so:
- # Individual's name <submission email address>
- # Individual's name <submission email address> <email2> <emailN>

#

- # An entry with multiple email addresses specifies that the
- # first address should be used in the submit logs and
- # that the other addresses should be recognized

as the

same person when interacting with Gerrit.

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1.85 prometheus-operator (devel)

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1.89 jsonpatch v5.6.0

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1.90 google-go-cmp 0.5.9

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1.91 go-openapi-swag 0.22.3

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1.93 structured-merge-diff v4.2.3

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/* zlib.h -- interface of the 'zlib' general purpose compression library version 1.2.13, October 13th, 2022

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The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files http://tools.ietf.org/html/rfc1950 (zlib format), rfc1951 (deflate format) and rfc1952 (gzip format).

*/

1.96 apk-tools 2.12.10-r1

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1.98 x-sys v0.0.0-20220712014510-0a85c31ab51e

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1.100 musl 1.2.3-r4

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1.101 alpine-baselayout-data 3.4.0-r0

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cpandepends="perl-text-template perl-data-section perl-sub-install"
cpanmakedepends=" "
depends="$cpandepends"
makedepends="perl-dev $cpanmakedepends"
subpackages="$pkgname-doc"
source="http://search.cpan.org/CPAN/authors/id/R/RJRJBS/$ pkgreal-$pkgver.tar.gz"
_builddir="$srcdir/$_pkgreal-$pkgver"
prepare() {
cd "$_builddir"
export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}
build() {
cd "$_builddir"
export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
make && make test
```

```
package() {
  cd "$_builddir"
  make
  DESTDIR="$pkgdir" install || return 1
  find "$pkgdir" \( -name perllocal.pod -o -name .packlist \( ) -delete \)
}
```

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Automatically generated by apkbuild-cpan, template 1

Contributor: Valery Kartel <valery.kartel@gmail.com>

```
# Maintainer: Valery Kartel <valery.kartel@gmail.com>
pkgname=perl-bsd-resource
_pkgreal=BSD-Resource
pkgver=1.2909
pkgrel=0
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="http://search.cpan.org/dist/BSD-Resource/"
arch="all"
license="GPL PerlArtistic"
cpandepends=""
cpanmakedepends=" "
depends="$cpandepends"
makedepends="perl-dev $cpanmakedepends"
subpackages="$pkgname-doc"
source="http://search.cpan.org/CPAN/authors/id/J/JH/JHI/$_pkgreal-$pkgver.tar.gz"
_builddir="$srcdir/$_pkgreal-$pkgver"
prepare() {
 cd "$_builddir"
 export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
 PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}
build() {
 cd "$ builddir"
 export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
 make && make test || return 1
}
package() {
 cd "$ builddir"
 make DESTDIR="$pkgdir" install || return 1
 find "$pkgdir"
\( -name perllocal.pod -o -name .packlist \) -delete
md5sums="3c6dd2fa953088aa87e263f40818d012 BSD-Resource-1.2909.tar.gz"
sha256 sums = "c47d460e2bd00d8d049f6ff4a0f1f61957e289e8de45af5fc79e851e2e855e06\ BSD-Resource-theorem and the sum of the control of the con
1.2909.tar.gz"
85743363750157943c7f7700276cce2bd40a429fa430 BSD-Resource-1.2909.tar.gz"
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```
see http://www.sqlite.org/copyright.html
* Create mount directories in fstab
* Copyright(c) 2008 Natanael Copa <natanael.copa@gmail.com>
* May be distributed under the terms of GPL-2
* usage: mkmntdirs [fstab]
# Contributor: Fabian Affolter < fabian@affolter-engineering.ch>
# Maintainer: Fabian Affolter < fabian@affolter-engineering.ch>
pkgname=py-flake8-copyright
_pkgname=flake8-copyright
pkgver=0.1
pkgrel=1
pkgdesc="Extension for flake8 which checks for copyrights"
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="python flake8"
depends_dev=""
makedepends="python-dev py-setuptools"
install=""
subpackages=""
source="http://pypi.python.org/packages/source/${_pkgname:0:1}/$_pkgname/$_pkgname-$pkgver.tar.gz"
_builddir="$srcdir"/$_pkgname-$pkgver
prepare() {
local i
cd "$ builddir"
for i in $source; do
 case $i in
 *.patch) msg $i; patch -p1 -i "$srcdir"/$i || return 1;;
done
}
build() {
cd "$_builddir"
python setup.py build || return 1
}
package() {
cd "$_builddir"
python setup.py install --prefix=/usr --root="$pkgdir" || return 1
```

md5sums="8fab17d27f0b417c44ea0bebf579d71b flake8-copyright-0.1.tar.gz"

flake8-copyright-0.1.tar.gz"

sha512sums="c1ef4b8ad4bd422b629ec481074256d33ca4c8e8f10c7a7da6619b01c18ccf6f8a86bf6c7ce4d73f29a93e 0f23797c1a356abcf242e9f556b979b75e3a8bfe46 flake8-copyright-0.1.tar.gz"

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Maintainer: Natanael Copa <ncopa@alpinelinux.org> pkgname=libart-lgpl pkgver=2.3.21 pkgrel=5

```
pkgdesc="A library for high-performance 2D graphics"
url="http://www.levien.com/libart/"
arch="all"
license="LGPL"
depends=
makedepends=
subpackages="$pkgname-dev"
source="http://ftp.gnome.org/pub/GNOME/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2
_builddir="$srcdir"/libart_lgpl-$pkgver
prepare() {
cd "$_builddir"
update_config_sub || return 1
build() {
cd "$ builddir"
./configure \
 --build=$CBUILD \
 --host=$CHOST \
 --prefix=/usr \
 || return 1
make || return 1
package() {
cd "$_builddir"
make DESTDIR="$pkgdir" install || return 1
md5sums="08559ff3c67fd95d57b0c5e91a6b4302 libart_lgpl-2.3.21.tar.bz2"
```

1.102 busybox 1.35.0-r29 1.102.1 Available under license :

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1.103 ssl-client 1.35.0-r29

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1.104 alpine-baselayout 3.4.0-r0

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pkgname=perl-software-license
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pkgver=0.103004
pkgrel=0
pkgdesc="packages that provide templated software licenses"
url="http://search.cpan.org/dist/Software-License/"
arch="noarch"
license="GPL PerlArtistic"
cpandepends="perl-text-template perl-data-section perl-sub-install"
cpanmakedepends=" "
depends="$cpandepends"
makedepends="perl-dev $cpanmakedepends"
subpackages="$pkgname-doc"
source="http://search.cpan.org/CPAN/authors/id/R/RJ/RJBS/$_pkgreal-$pkgver.tar.gz"
_builddir="$srcdir/$_pkgreal-$pkgver"
prepare() {
cd "$ builddir"
export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}
build() {
cd "$ builddir"
export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
make && make test
package() {
cd "$_builddir"
make
DESTDIR="$pkgdir" install || return 1
find "$pkgdir" \( -name perllocal.pod -o -name .packlist \) -delete
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```
depends="$cpandepends"
makedepends="perl-dev $cpanmakedepends"
subpackages="$pkgname-doc"
source="http://search.cpan.org/CPAN/authors/id/J/JH/JHI/$_pkgreal-$pkgver.tar.gz"
_builddir="$srcdir/$_pkgreal-$pkgver"
prepare() {
cd "$_builddir"
export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'
PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
build() {
cd "$_builddir"
export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
make && make test || return 1
package() {
cd "$ builddir"
make DESTDIR="$pkgdir" install || return 1
find "$pkgdir"
\( -name perllocal.pod -o -name .packlist \) -delete
}
md5sums="3c6dd2fa953088aa87e263f40818d012 BSD-Resource-1.2909.tar.gz"
sha256sums="c47d460e2bd00d8d049f6ff4a0f1f61957e289e8de45af5fc79e851e2e855e06_BSD-Resource-
1.2909.tar.gz"
85743363750157943c7f7700276cce2bd40a429fa430 BSD-Resource-1.2909.tar.gz"
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```
see http://www.sqlite.org/copyright.html
# Contributor: Fabian Affolter <fabian@affolter-engineering.ch>
# Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>
pkgname=py-flake8-copyright
_pkgname=flake8-copyright
pkgver=0.1
pkgrel=1
pkgdesc="Extension for flake8 which checks for copyrights"
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
```

```
license="MIT"
depends="python flake8"
depends_dev=""
makedepends="python-dev py-setuptools"
install=""
subpackages=""
source="http://pypi.python.org/packages/source/${_pkgname:0:1}/$_pkgname/$_pkgname-$pkgver.tar.gz"
_builddir="$srcdir"/$_pkgname-$pkgver
prepare() {
local i
cd "$ builddir"
for i in $source: do
 case $i in
 *.patch) msg $i; patch -p1 -i "$srcdir"/$i || return 1;;
 esac
done
build() {
cd "$ builddir"
python setup.py build || return 1
}
package() {
cd "$ builddir"
python setup.py install --prefix=/usr --root="$pkgdir" || return 1
}
md5sums="8fab17d27f0b417c44ea0bebf579d71b flake8-copyright-0.1.tar.gz"
sha256sums="34cba5411ef3f677b7ba8d7b063493c9ed5af9985b2da77807be94bf9e65823b
 flake8-copyright-0.1.tar.gz"
sha512sums="c1ef4b8ad4bd422b629ec481074256d33ca4c8e8f10c7a7da6619b01c18ccf6f8a86bf6c7ce4d73f29a93e
0f23797c1a356abcf242e9f556b979b75e3a8bfe46 flake8-copyright-0.1.tar.gz"
mini_sendmail - accept email on behalf of real sendmail
Copyright 1999,2015 by Jef Poskanzer < jef@mail.acme.com>.
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```

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```
# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=5
pkgdesc="A library for high-performance 2D graphics"
url="http://www.levien.com/libart/"
arch="all"
license="LGPL"
depends=
makedepends=
subpackages="$pkgname-dev"
source="http://ftp.gnome.org/pub/GNOME/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2
_builddir="$srcdir"/libart_lgpl-$pkgver
prepare() {
cd "$_builddir"
update_config_sub || return 1
}
build() {
cd "$_builddir"
./configure \
 --build=$CBUILD \
 --host=$CHOST \
 --prefix=/usr \
 || return 1
make || return 1
}
package() {
cd "$_builddir"
make DESTDIR="$pkgdir" install || return 1
md5sums="08559ff3c67fd95d57b0c5e91a6b4302 libart_lgpl-2.3.21.tar.bz2"
```

1.105 go-restful 3.10.0

1.105.1 Available under license:

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1.106 kubernetes-component-base 0.25.4

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1.107 kube-openapi 0.0.0-20221110221610a28e98eb7c70

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package spec
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type License struct {
Name string `json:"name,omitempty"`
URL string `json:"url,omitempty"`
# This source code was written by the Go contributors.
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1.112 x-time-rate 0.3.0

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1.113 zapr v1.2.3

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1.114 ca-certificates 20220614-r4

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 $/\!\!^*$ c_rehash.c - Create hash symlinks for certificates

* C implementation based on the original Perl and shell versions

*

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1.115 prometheus-client 0.2.0

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1.116 x-net v0.0.0-20181114220301-

adae6a3d119a

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1.117 github.com/google/gnostic v0.6.9

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1.119 fasttemplate v1.2.2

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1.120 x-time v0.3.0

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1.121 fasttemplate 1.2.2

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1.122 scanelf 1.3.5-r1

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1.123 ca-certificates-bundle 20220614-r4

1.123.1 Available under license:

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

```
# * You may opt to use, copy, modify, merge, publish, distribute and/or sell
```

* furnished to do so, under the terms of the COPYING file.

Found in path(s):

* /opt/cola/permits/1538589024_1681232081.9126525/0/ca-certificates-bundle-20220614-r4-tar-gz/ca-certificates/ca-certificates-20220614-tar-bz2/ca-certificates-20220614/mk-ca-bundle.pl No license file was found, but licenses were detected in source scan.

```
# This Source Code Form is subject to the terms of the Mozilla Public
# License, v. 2.0. If a copy of the MPL was not distributed with this
# file, You can obtain one at http://mozilla.org/MPL/2.0/.
# certdata.txt
# This file contains the object definitions for the certs and other
# information "built into" NSS.
# Object definitions:
# Certificates
# -- Attribute --
                      -- type --
                                   -- value --
# CKA_CLASS
                          CK_OBJECT_CLASS CKO_CERTIFICATE
# CKA_TOKEN
                          CK_BBOOL
                                            CK_TRUE
# CKA_PRIVATE
                           CK BBOOL
                                             CK FALSE
# CKA_MODIFIABLE
                             CK_BBOOL
                                               CK_FALSE
# CKA_LABEL
                          UTF8
                                        (varies)
                                 CK_CERTIFICATE_TYPE CKC_X_509
# CKA_CERTIFICATE_TYPE
```

```
# CKA_SUBJECT
                       DER+base64
                                      (varies)
# CKA_ID
                    byte array
                                (varies)
CKA_ISSUER
                     DER+base64
                                    (varies)
                            DER+base64
# CKA_SERIAL_NUMBER
                                           (varies)
# CKA_VALUE
                       DER+base64
                                      (varies)
# CKA NSS EMAIL
                         ASCII7
                                     (unused here)
# CKA_NSS_SERVER_DISTRUST_AFTER DER+base64
                                                  (varies)
# CKA_NSS_EMAIL_DISTRUST_AFTER DER+base64
                                                  (varies)
#
  Trust
# -- Attribute --
                  -- type --
                              -- value --
# CKA_CLASS
                      CK_OBJECT_CLASS CKO_TRUST
# CKA_TOKEN
                      CK_BBOOL
                                      CK_TRUE
# CKA_PRIVATE
                       CK_BBOOL
                                       CK_FALSE
# CKA_MODIFIABLE
                         CK_BBOOL
                                         CK_FALSE
# CKA LABEL
                      UTF8
                                  (varies)
# CKA_ISSUER
                      DER+base64
                                     (varies)
# CKA_SERIAL_NUMBER
                            DER+base64
                                           (varies)
# CKA CERT HASH
                         binary+base64
                                        (varies)
# CKA_EXPIRES
                       CK_DATE
(not used here)
# CKA_TRUST_DIGITAL_SIGNATURE CK_TRUST
                                                 (varies)
# CKA_TRUST_NON_REPUDIATION CK_TRUST
                                                (varies)
# CKA_TRUST_KEY_ENCIPHERMENT CK_TRUST
                                                  (varies)
# CKA_TRUST_DATA_ENCIPHERMENT CK_TRUST
                                                  (varies)
# CKA_TRUST_KEY_AGREEMENT
                                 CK_TRUST
                                                (varies)
# CKA_TRUST_KEY_CERT_SIGN
                               CK TRUST
                                               (varies)
# CKA_TRUST_CRL_SIGN
                            CK_TRUST
                                           (varies)
# CKA_TRUST_SERVER_AUTH
                               CK_TRUST
                                              (varies)
# CKA_TRUST_CLIENT_AUTH
                              CK_TRUST
                                             (varies)
# CKA_TRUST_CODE_SIGNING
                               CK_TRUST
                                              (varies)
# CKA_TRUST_EMAIL_PROTECTION CK_TRUST
                                                 (varies)
# CKA_TRUST_IPSEC_END_SYSTEM CK_TRUST
                                                (varies)
# CKA_TRUST_IPSEC_TUNNEL
                              CK_TRUST
                                              (varies)
# CKA_TRUST_IPSEC_USER
                             CK TRUST
                                            (varies)
# CKA_TRUST_TIME_STAMPING
                               CK_TRUST
                                               (varies)
# CKA_TRUST_STEP_UP_APPROVED CK_BBOOL
                                                 (varies)
# (other
trust attributes can be defined)
# The object to tell NSS that this is a root list and we don't
# have to go looking for others.
BEGINDATA
```

```
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_BUILTIN_ROOT_LIST
CKA TOKEN CK BBOOL CK TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Mozilla Builtin Roots"
# Certificate "GlobalSign Root CA"
# Issuer: CN=GlobalSign Root CA,OU=Root CA,O=GlobalSign nv-sa,C=BE
# Serial Number:04:00:00:00:00:01:15:4b:5a:c3:94
# Subject: CN=GlobalSign Root CA,OU=Root CA,O=GlobalSign nv-sa,C=BE
# Not Valid Before: Tue Sep 01 12:00:00 1998
# Not Valid After: Fri Jan 28 12:00:00 2028
# Fingerprint (SHA-256):
EB:D4:10:40:E4:BB:3E:C7:42:C9:E3:81:D3:1E:F2:A4:1A:48:B6:68:5C:96:E7:CE:F3:C1:DF:6C:D4:33:1C:99
# Fingerprint (SHA1): B1:BC:96:8B:D4:F4:9D:62:2A:A8:9A:81:F2:15:01:52:A4:1D:82:9C
CKA CLASS CK OBJECT CLASS CKO CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA MODIFIABLE CK BBOOL CK FALSE
CKA_LABEL UTF8 "GlobalSign
 Root CA"
CKA CERTIFICATE TYPE CK CERTIFICATE TYPE CKC X 509
CKA_SUBJECT MULTILINE_OCTAL
\060\127\061\013\060\011\006\003\125\004\006\023\002\102\105\061
\031\060\027\006\003\125\004\012\023\020\107\154\157\142\141\154
\label{eq:local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_
\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
\label{eq:condition} $$ \006\003\125\004\003\022\107\154\157\142\141\154\123\151\147 = 123\151\147 = 123\151\147 = 123\151\147 = 123\151\147 = 123\151\147 = 123\151\147 = 123\151\147 = 123\151\147 = 123\151\147 = 123\151\147 = 123\151\147 = 123\151\147 = 123\151\147 = 123\151\147 = 123\151\147 = 123\151\147 = 123\151\147 = 123\151\147 = 123\151\147 = 123\151\147 = 123\151\147 = 123\151\147 = 123\151\147 = 123\151\147 = 123\151\147 = 123\151\151 = 123\151\151 = 123\151\151 = 123\151\151 = 123\151\151 = 123\151\151 = 123\151\151 = 123\151\151 = 123\151\151 = 123\151\151 = 123\151\151 = 123\151\151 = 123\151\151 = 123\151\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 123\151 = 1
\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\132\060\127\061\013\060\011\006\003\125\004\006\023\002\102 $\label{eq:condition} $$ 105 \061 \031 \060 \027 \006 \003 \125 \004 \012 \023 \020 \107 \154 \157 \142$ \141\154\123\151\147\156\040\156\166\055\163\141\061\020\060\016 $\label{eq:condition} $$ \006\003\125\004\013\023\007\122\157\157\164\040\103\101\061\033$ $\label{eq:condition} $$ \000\031\006\003\125\004\003\023\022\107\154\157\142\141\154\123$ \151\147\156\040\122\157\157\164\040\103\101\060\202\001\042\060 $\label{eq:condition} $$ \0.015\0.06\0.01\0.05\0.00\0.003\0.001\0.001\0.001\0.005\0.000\0.003\0.000 $$$ $\label{eq:condition} $$ \001\017\000\060\202\001\012\002\202\001\001\000\332\016\346\231 $$$ \215\316\243\343\117\212\176\373\361\213\203\045\153\352\110\037 $\label{eq:condition} $$ 361\052\260\271\225\021\004\275\360\143\321\342\147\146\317\034$$$ \335\317\033\110\053\356\215\211\216\232\257\051\200\145\253\351 \307\055\022\313\253\034\114\160\007\241\075\012\060\315\025\215 \117\370\335\324\214\120\025\034\357\120\356\304\056\367\374\351 \122\362\221\175\340\155\325\065\060\216\136\103\163\362\101\351 \325\152\343\262\211\072\126\071\070\157\006\074\210\151\133\052 $\label{eq:condition} $$ \frac{305}247\frac{24}{270}\frac{34}{211}\frac{314}{233}\frac{371}074\frac{312}345\frac{375}{211}\frac{365}{211} $$$ \022\074\222\170\226\326\334\164\156\223\104\141\321\215\307\106 \262\165\016\206\350\031\212\325\155\154\325\170\026\225\242\351 \310\012\070\353\362\044\023\117\163\124\223\023\205\072\033\274 \036\064\265\213\005\214\271\167\213\261\333\037\040\221\253\011 $\label{eq:condition} $$ \frac{123}{156}\frac{220}{316}\frac{173}{067}\frac{164}{271}\frac{100}{107}\frac{221}{042}\frac{121}{143}\frac{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 $\label{eq:condition} $$ 366\041\150\357\352\362\122\237\177\223\220\317\002\003\001\000 $$$ \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 $\label{eq:condition} $$ \053\275\011\236\123\277\153\136\252\021\110\266\345\010\243\263$ \312\075\141\115\323\106\011\263\076\303\240\343\143\125\033\362 \272\357\255\071\341\103\271\070\243\346\057\212\046\073\357\240 \120\126\371\306\012\375\070\315\304\013\160\121\224\227\230\004 \337\303\137\224\325\025\311\024\101\234\304\135\165\144\025\015 \377\125\060\354\206\217\377\015\357\054\271\143\106\366\252\374 \337\274\151\375\056\022\110\144\232\340\225\360\246\357\051\217 \001\261\025\265\014\035\245\376\151\054\151\044\170\036\263\247 $\label{eq:condition} $$ \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

 $\label{eq:condition} $$ \014\252\202\344\231\121\335\160\267\333\126\075\141\344\152\341\134\326\366\376\075\336\101\314\007\256\143\122\277\123\123\364\053\351\307\375\266\367\202\137\205\322\101\030\333\201\263\004\034\305\037\244\200\157\025\040\311\336\014\210\012\035\326\146\125\342\374\110\311\051\046\151\340$$

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

 $\label{eq:condition} $$ \261\274\226\213\324\364\235\142\052\250\232\201\362\025\001\122 $$$

\244\035\202\234

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

 $\label{eq:condition} $$ \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

 $\\ \\006\\ \\003\\ \\125\\ \\004\\ \\003\\ \\022\\ \\107\\ \\154\\ \\157\\ \\142\\ \\141\\ \\154\\ \\123\\ \\151\\ \\147$

 $\label{eq:condition} $$ 156\040\122\157\157\164\040\103\101$$

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

```
#
# Certificate "Verisign Class 1 Public Primary Certification Authority - G3"
# Issuer: CN=VeriSign Class 1 Public Primary Certification Authority - G3,OU="(c) 1999 VeriSign, Inc. - For
authorized use only", OU=VeriSign Trust Network, O="VeriSign, Inc.", C=US
# Serial Number:00:8b:5b:75:56:84:54:85:0b:00:cf:af:38:48:ce:b1:a4
# Subject: CN=VeriSign Class 1 Public Primary Certification Authority - G3,OU="(c) 1999 VeriSign, Inc. - For
authorized use only", OU=VeriSign Trust Network, O="VeriSign, Inc.", C=US
# Not Valid Before: Fri Oct 01 00:00:00 1999
# Not Valid After: Wed Jul 16 23:59:59 2036
# Fingerprint (SHA-256):
CB:B5:AF:18:5E:94:2A:24:02:F9:EA:CB:C0:ED:5B:B8:76:EE:A3:C1:22:36:23:D0:04:47:E4:F3:BA:55:4B:65
 Fingerprint (SHA1): 20:42:85:DC:F7:EB:76:41:95:57:8E:13:6B:D4:B7:D1:E9:8E:46:A5
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA TOKEN CK BBOOL CK TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA LABEL UTF8 "Verisign Class 1 Public Primary Certification Authority - G3"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\312\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\027\060\025\006\003\125\004\012\023\016\126\145\162\151\123
\151\147\156\054\040\111\156\143\056\061\037\060\035\006\003\125
\004\013\023\026\126\145\162\151\123\151\147\156\040\124\162\165
\163\164\040\116\145\164\167\157\162\153\061\072\060\070\006\003
\125\004\013\023\061\050\143\051\040\061\071\071\071\040\126\145
\162\151\123\151\147\156\054\040\111\156\143\056\040\055\040\106
\label{eq:local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_
\145\040\157\156\154\171\061\105\060\103\006\003\125\004\003\023
\074\126\145\162\151\123\151\147\156\040\103\154\141\163\163\040
\061\040\120\165\142\154\151\143\040\120\162\151\155\141\162\171
\\ \\ 040\\ \\ 103\\ \\ 145\\ \\ 162\\ \\ 164\\ \\ 151\\ \\ 146\\ \\ 151\\ \\ 143\\ \\ 141\\ \\ 164\\ \\ 151\\ \\ 157\\ \\ 156\\ \\ 040\\ \\ 101
\165\164\150\157\162\151\164\171\040\055\040\107\063
END
CKA ID
 UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\201\312\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\027\060\025\006\003\125\004\012\023\016\126\145\162\151\123
\151\147\156\054\040\111\156\143\056\061\037\060\035\006\003\125
\004\013\023\026\126\145\162\151\123\151\147\156\040\124\162\165
\163\164\040\116\145\164\167\157\162\153\061\072\060\070\006\003
\125\004\013\023\061\050\143\051\040\061\071\071\071\040\126\145
\162\151\123\151\147\156\054\040\111\156\143\056\040\055\040\106
```

\157\162\040\141\165\164\150\157\162\151\172\145\144\040\165\163

\145\040\157\156\154\171\061\105\060\103\006\003\125\004\003\023 \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\002\000\213\133\165\126\204 \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 \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 $\label{eq:condition} $$ \frac{167}{157}\frac{62}{153}\frac{061}{072}\frac{060}{070}\frac{006}{003}\frac{125}{004}\frac{013}{023}\frac{061}{050} $$$ \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 $\label{eq:local_$ \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 $\label{eq:condition} $$ 164\171\040\055\040\107\063\060\036\027\015\071\071\061\060\060 $$$ \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 \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 $\label{eq:linear_condition} $$ \frac{151}172\frac{44}040\frac{65}163\frac{45}040\frac{157}156\frac{154}171\frac{061}{105}060$$ $\label{eq:condition} $$ 103\006\003\125\004\003\023\074\126\145\162\151\123\151\147\156$ $\\ \\ 040\\ \\ 103\\ \\ 154\\ \\ 141\\ \\ 163\\ \\ 163\\ \\ 040\\ \\ 061\\ \\ 040\\ \\ 120\\ \\ 165\\ \\ 142\\ \\ 154\\ \\ 151\\ \\ 143\\ \\ 040$ \120\162\151\155\141\162\171\040\103\145\162\164\151\146\151\143 \141\164\151\157\156\040\101\165\164\150\157\162\151\164\171\040 \055\040\107\063\060\202\001\042\060\015\006\011\052\206\110\206 \367\015\001\001\001\005\000\003\202\001\017\000\060\202\001\012 $\label{eq:condition} $$ \002\202\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 $\label{eq:condition} $$ 327 \times 126 \times 107 \times 201 \times 25 \times 125 \times 203 \times 47 \times 21 \times 305 \times 130 \times 210 \times 301 \times 125 \times 1$ \335\366\252\247\243\030\332\150\252\155\021\121\341\277\145\153 \237\226\166\321\075\002\003\001\000\001\060\015\006\011\052\206 \110\206\367\015\001\001\005\005\000\003\202\001\001\000\253\146 \215\327\263\272\307\232\266\346\125\320\005\361\237\061\215\132 \252\331\252\106\046\017\161\355\245\255\123\126\142\001\107\052 $\label{eq:condition} $$ 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 $\label{eq:condition} $$ 245\040\200\151\150\241\117\176\341\153\317\007\101\372\203\216 $$$ \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 $\label{eq:condition} $$ \023\126\171\117\155\120\352\033\260\265\127\261\067\146\130\043$ \363\334\017\337\012\207\304\357\206\005\325\070\024\140\231\243 \113\336\006\226\161\054\362\333\266\037\244\357\077\356

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE

For Email Distrust After: Wed Aug 31 00:00:00 2022

CKA_NSS_EMAIL_DISTRUST_AFTER MULTILINE_OCTAL

\062\062\060\070\063\061\060\060\060\060\060\060\132

END

```
# Trust for "Verisign Class 1 Public Primary Certification Authority - G3"
```

Issuer: CN=VeriSign Class 1 Public Primary Certification Authority - G3,OU="(c) 1999 VeriSign,

 $Inc. - For \ authorized \ use \ only", OU=VeriSign \ Trust \ Network, O="VeriSign, Inc.", C=US \ Network, O="VeriSign, Inc.", O="VeriSign, Inc.", O="VeriSign, Inc.", O="Ver$

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
\label{eq:condition} $$ \023\026\126\145\162\151\123\151\147\156\040\124\162\165$
\163\164\040\116\145\164\167\157\162\153\061\072\060\070\006\003
\label{eq:condition} $$ \frac{125\\004\\013\\023\\061\\050\\143\\051\\040\\061\\071\\071\\071\\071\\040\\126\\145
\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
\label{eq:condition} $$ 040\103\145\162\164\151\146\151\143\141\164\151\157\156\040\101
\165\164\150\157\162\151\164\171\040\055\040\107\063
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\021\000\213\133\165\126\204\124\205\013\000\317\257\070\110
\316\261\244
END
CKA_TRUST_SERVER_AUTH
CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
# Certificate "Verisign Class 2 Public Primary Certification Authority - G3"
#
# Issuer: CN=VeriSign Class 2 Public Primary Certification Authority - G3,OU="(c) 1999 VeriSign, Inc. - For
authorized use only", OU=VeriSign Trust Network, O="VeriSign, Inc.", C=US
# Serial Number:61:70:cb:49:8c:5f:98:45:29:e7:b0:a6:d9:50:5b:7a
# Subject: CN=VeriSign Class 2 Public Primary Certification Authority - G3,OU="(c) 1999 VeriSign, Inc. - For
```

authorized use only", OU=VeriSign Trust Network, O="VeriSign, Inc.", C=US

```
# Not Valid Before: Fri Oct 01 00:00:00 1999
```

Not Valid After: Wed Jul 16 23:59:59 2036

Fingerprint (SHA-256):

92:A9:D9:83:3F:E1:94:4D:B3:66:E8:BF:AE:7A:95:B6:48:0C:2D:6C:6C:2A:1B:E6:5D:42:36:B6:08:FC:A1:BB

Fingerprint (SHA1): 61:EF:43:D7:7F:CA:D4:61:51:BC:98:E0:C3:59:12:AF:9F:EB:63:11

CKA CLASS

CK OBJECT CLASS CKO CERTIFICATE

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA MODIFIABLE CK BBOOL CK FALSE

CKA_LABEL UTF8 "Verisign Class 2 Public Primary Certification Authority - G3"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA SUBJECT MULTILINE OCTAL

 $\label{eq:condition} $$ \060\201\312\061\013\060\011\006\003\125\004\006\023\002\125\123$

 $\label{eq:condition} $$ \0061\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

 $\label{eq:condition} $$ 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

 $\label{eq:local_$

\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

 $\label{eq:condition} $$ \074\126\145\162\151\123\151\147\156\040\103\154\141\163\163\040$$$

\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

 $\label{eq:condition} $$ 165\164\150\157\162\151\164\171\040\055\040\107\063$$

END

CKA_ID

UTF8 "0"

CKA ISSUER MULTILINE OCTAL

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 \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 $\label{eq:condition} $$ \frac{147}156\\040\\103\\154\\141\\163\\163\\040\\062\\040\\120\\165\\142\\154\\151$ \143\040\120\162\151\155\141\162\171\040\103\145\162\164\151\146 \171\040\055\040\107\063\060\036\027\015\071\071\061\060\060\061 \060\060\060\060\060\060\060\132\027\015\063\066\060\067\061\066\062 \004\006\023\002\125\123\061\027\060\025\006\003\125\004\012\023 \016\126\145\162\151\123\151\147\156\054\040\111\156\143\056\061 $\label{eq:condition} $$ \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 \164\151\157\156\040\101\165\164\150\157\162\151\164\171\040\055 \040\107\063\060\202\001\042\060\015\006\011\052\206\110\206\367 \015\001\001\001\005\000\003\202\001\017\000\060\202\001\012\002 \202\001\001\000\257\012\015\302\325\054\333\147\271\055\345\224 \047\335\245\276\340\260\115\217\263\141\126\074\326\174\303\364 \315\076\206\313\242\210\342\341\330\244\151\305\265\342\277\301 $\verb|246|107|120|136|106|071|213|325|226|272|265|157|024|277|020|316|$ $\\ \langle 047 \rangle 223 \langle 236 \rangle 005 \rangle 107 \langle 233 \rangle 061 \rangle 172 \langle 023 \rangle 330 \rangle 037 \langle 331 \rangle 323 \rangle 002 \rangle 067 \langle 213 \rangle 002 \rangle$ \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
\label{eq:condition} $$ \200\333\047\104\247\316\104\135\324\033\220\230\015\036\102\224 $$
\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
\label{eq:condition} $$ 301\062\163\042\041\213\130\201\173\025\221\172\272\343\144\110 $$
\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
\label{eq:condition} $$ \frac{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\060\132
END
# Trust for "Verisign Class 2 Public Primary Certification Authority - G3"
# Issuer: CN=VeriSign Class 2 Public Primary Certification Authority - G3,OU="(c) 1999 VeriSign, Inc. - For
authorized use only", OU=VeriSign Trust Network, O="VeriSign, Inc.", C=US
# Serial Number:61:70:cb:49:8c:5f:98:45:29:e7:b0:a6:d9:50:5b:7a
Subject: CN=VeriSign Class 2 Public Primary Certification Authority - G3,OU="(c) 1999 VeriSign, Inc. - For
authorized use only", OU=VeriSign Trust Network, O="VeriSign, Inc.", C=US
# Not Valid Before: Fri Oct 01 00:00:00 1999
# Not Valid After: Wed Jul 16 23:59:59 2036
# Fingerprint (SHA-256):
92:A9:D9:83:3F:E1:94:4D:B3:66:E8:BF:AE:7A:95:B6:48:0C:2D:6C:6C:2A:1B:E6:5D:42:36:B6:08:FC:A1:BB
# Fingerprint (SHA1): 61:EF:43:D7:7F:CA:D4:61:51:BC:98:E0:C3:59:12:AF:9F:EB:63:11
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Verisign Class 2 Public Primary Certification Authority - G3"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
```

\141\357\103\327\177\312\324\141\121\274\230\340\303\131\022\257

```
\237\353\143\021
END
CKA CERT MD5 HASH MULTILINE OCTAL
\370\276\304\143\042\311\250\106\164\213\270\035\036\112\053\366
END
CKA ISSUER MULTILINE OCTAL
\060\201\312\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\027\060\025\006\003\125\004\012\023\016\126\145\162\151\123
\151\147\156\054\040\111\156\143\056\061\037\060\035\006\003\125
\004\013\023\026\126\145\162\151\123\151\147\156\040\124\162\165
\163\164\040\116\145\164\167\157\162\153\061\072\060\070\006\003
\label{eq:condition} $$ \frac{125\\004\\013\\023\\061\\050\\143\\051\\040\\061\\071\\071\\071\\071\\040\\126\\145
\162\151\123\151\147\156\054\040\111\156\143\056\040\055\040\106
\label{eq:local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_
\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
\label{eq:condition} $$ \062\040\120\165\142\154\151\143\040\120\162\151\155\141\162\171 $$
\040\103\145\162\164\151\146\151\143\141\164\151\157\156\040\101
\165\164\150\157\162\151\164\171\040\055\040\107\063
END
CKA SERIAL NUMBER
MULTILINE_OCTAL
\label{eq:condition} $$ \002\020\141\160\313\111\214\137\230\105\051\347\260\246\331\120 $$
\133\172
END
CKA TRUST SERVER AUTH CK TRUST CKT NSS MUST VERIFY TRUST
CKA TRUST EMAIL PROTECTION
CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA TRUST CODE SIGNING CK TRUST CKT NSS MUST VERIFY TRUST
CKA TRUST STEP UP APPROVED CK BBOOL CK FALSE
# Certificate "Entrust.net Premium 2048 Secure Server CA"
# Issuer: CN=Entrust.net Certification Authority (2048),OU=(c) 1999 Entrust.net
Limited,OU=www.entrust.net/CPS_2048 incorp. by ref. (limits liab.),O=Entrust.net
# Serial Number: 946069240 (0x3863def8)
# Subject: CN=Entrust.net Certification Authority (2048),OU=(c) 1999 Entrust.net
Limited,OU=www.entrust.net/CPS_2048 incorp. by ref. (limits liab.),O=Entrust.net
# Not Valid Before: Fri Dec 24 17:50:51 1999
# Not Valid After: Tue Jul 24 14:15:12 2029
# Fingerprint (SHA-256):
6D:C4:71:72:E0:1C:BC:B0:BF:62:58:0D:89:5F:E2:B8:AC:9A:D4:F8:73:80:1E:0C:10:B9:C8:37:D2:1E:B1:77
# Fingerprint (SHA1): 50:30:06:09:1D:97:D4:F5:AE:39:F7:CB:E7:92:7D:7D:65:2D:34:31
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
```

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_TOKEN CK_BBOOL CK_TRUE CKA_PRIVATE 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

 $\label{eq:condition} $$ \000\201\264\061\024\060\022\006\003\125\0004\012\023\013\105\156\164\162\165\163\164\056\156\145\164\061\100\060\0076\006\003\125\0004\013\024\067\167\167\167\167\165\145\156\164\162\165\163\164\056\145\156\164\162\165\163\164\151\141\142\056\051\061\0045\060\0043\006\003\125\0004\013\023\034\050\143\051\004\0061\071\071\071\070\1004\105\156\164\162\165\163\164\056\156\145\164\004\114\151\155\151\164\162\165\163\164\056\156\145\164\004\103\145\162\164\151\146\151\143\141\164\151\157\156\040\101\165\164\150\157\162\151\164\171\0040\050\062\060\064\070\051$

END

CKA ID UTF8 "0"

CKA ISSUER MULTILINE OCTAL

 $\label{eq:condition} $$ \000\201\264\061\024\060\022\006\003\125\0004\012\023\013\105\156\164\162\165\163\164\056\156\145\164\061\100\060\0076\006\003\125\0004\013\024\067\167\167\167\167\165\145\156\164\162\165\163\164\056\145\156\164\162\165\163\164\056\142\171\040\162\145\146\056\040\050\154\151\155\151\164\163\040\154\151\141\142\056\051\061\004\0003\125\0004\013\023\034\050\143\051\040\061\071\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\0004\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

 $\label{eq:condition} $$ \000\202\004\052\060\202\003\002\240\003\002\001\002\002\004\007\005\000\060\201\264\061\0024\060\0022\006\003\125\004\012\023\013\0105\156\164\162\165\163\164\056\156\145\156\164\162\165\163\164\056\145\156\164\162\165\163\164\056\145\156\164\162\165\163\164\056\145\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\162\165\163\164\056\156\145\164\040\114\151\155\151\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 $\label{eq:condition} $$ 137\062\060\064\070\040\151\156\143\157\162\160\056\040\142\171 $$$ \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 $\label{eq:condition} $$ \frac{143}051\\040\\061\\071\\071\\071\\070\\105\\105\\164\\162\\165\\163\\164\\056$ \156\145\164\040\114\151\155\151\164\145\144\061\063\060\061\006 $\label{eq:condition} $$ 164\040\103\145\162\164\151\146\151\143\141\164\151\157\156\040$$ \101\165\164\150\157\162\151\164\171\040\050\062\060\064\070\051 $\label{eq:condition} $$ \000\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 $\label{eq:condition} $$ \053\113\321\277\013\112\115\216\355\200\166\245\147\267\170\100 $$$ \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 $\label{eq:condition} $$ \261\201\251\215\175\270\314\153\113\003\361\002\014\334\253\245 $$$ \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 $\label{eq:condition} $$ \062\120\157\075\310\272\146\014\343\374\275\270\111\301\166\211 $$$ \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 $\label{eq:condition} $$ \010\243\061\371\241\044\011\026\271\160\060\015\006\011\052\206 $$$ \110\206\367\015\001\001\005\005\000\003\202\001\001\000\073\233 \217\126\233\060\347\123\231\174\172\171\247\115\227\327\031\225 \220\373\006\037\312\063\174\106\143\217\226\146\044\372\100\033 $\\ \\ 041\\ 047\\ 312\\ 346\\ 162\\ 163\\ 362\\ 117\\ 376\\ 061\\ 231\\ 375\\ 310\\ 014\\ 114\\ 150$ \123\306\200\202\023\230\372\266\255\332\135\075\361\316\156\366 $\label{eq:condition} $$ \025\021\224\202\014\356\077\225\257\021\253\017\327\057\336\037 $$$ \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

 $\label{eq:control} $$ \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$

CKA NSS MOZILLA CA POLICY

CK_BBOOL CK_TRUE

END

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

 $\label{eq:condition} $$ 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

 $\label{eq:condition} $$ \356\051\061\274\062\176\232\346\350\265\367\121\264\064\161\220 $$$

END

CKA_ISSUER MULTILINE_OCTAL

```
\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
\label{eq:condition} $$ \060\132\061\013\060\011\006\003\125\004\006\023\002\111\105\061 $$
\022\060\020\006\003\125\004\012\023\011\102\141\154\164\151\155
\157\162\145\061\023\060\021\006\003\125\004\013\023\012\103\171
\142\145\162\124\162\165\163\164\061\042\060\040\006\003\125\004
\003\023\031\102\141\154\164\151\155\157\162\145\040\103\171\142
\145\162\124\162\165\163\164\040\122\157\157\164
END
```

CKA_SERIAL_NUMBER MULTILINE_OCTAL \002\004\002\000\000\271 END

CKA_VALUE MULTILINE_OCTAL

\060\202\003\167\060\202\002\137\240\003\002\001\002\002\004\002 \000\000\271\060\015\006\011\052\206\110\206\367\015\001\001\005 \005\000\060\132\061\013\060\011\006\003\125\004\006\023\002\111 $\label{eq:condition} $$ 105\061\022\060\020\006\003\125\004\012\023\011\102\141\154\164$ \151\155\157\162\145\061\023\060\021\006\003\125\004\013\023\012 \103\171\142\145\162\124\162\165\163\164\061\042\060\040\006\003 \125\004\003\023\031\102\141\154\164\151\155\157\162\145\040\103 \171\142\145\162\124\162\165\163\164\040\122\157\157\164\060\036 \027\015\060\060\060\065\061\062\061\070\064\066\060\060\132\027 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \000\003\125\004\012\023\011\102\141\154\164\151\155\157\162$$ \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 $\label{eq:condition} $$ \031\102\141\154\164\151\155\157\162\145\040\103\171\142\145\162$ \124\162\165\163\164\040\122\157\157\164\060\202\001\042\060\015 \006\011\052\206\110\206\367\015\001\001\001\005\000\003\202\001 $\label{eq:condition} $$ \017\000\060\202\001\012\002\202\001\001\000\243\004\273\042\253 $$$ \230\075\127\350\046\162\232\265\171\324\051\342\341\350\225\200 \261\260\343\133\216\053\051\232\144\337\241\135\355\260\011\005 \155\333\050\056\316\142\242\142\376\264\210\332\022\353\070\353 \041\235\300\101\053\001\122\173\210\167\323\034\217\307\272\271 \210\265\152\011\347\163\350\021\100\247\321\314\312\142\215\055 \345\217\013\246\120\322\250\120\303\050\352\365\253\045\207\212 \232\226\034\251\147\270\077\014\325\367\371\122\023\057\302\033 $\label{eq:condition} $$ 325\backslash 160\backslash 160\backslash 360\backslash 217\backslash 300\backslash 022\backslash 312\backslash 006\backslash 313\backslash 232\backslash 341\backslash 331\backslash 312\backslash 063\backslash 172$$$ \167\326\370\354\271\361\150\104\102\110\023\322\300\302\244\256 \136\140\376\266\246\005\374\264\335\007\131\002\324\131\030\230 \143\365\245\143\340\220\014\175\135\262\006\172\363\205\352\353 \324\003\256\136\204\076\137\377\025\355\151\274\371\071\066\162 \165\317\167\122\115\363\311\220\054\271\075\345\311\043\123\077 \037\044\230\041\134\007\231\051\275\306\072\354\347\156\206\072 \153\227\164\143\063\275\150\030\061\360\170\215\166\277\374\236 \216\135\052\206\247\115\220\334\047\032\071\002\003\001\000\001 \243\105\060\103\060\035\006\003\125\035\016\004\026\004\024\345 \235\131\060\202\107\130\314\254\372\010\124\066\206\173\072\265 \004\115\360\060\022\006\003\125\035\023\001\001\377\004\010\060 $\label{eq:condition} $$ \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 \157\121\150\102\005\240\335\273\117\047\045\204\003\275\367\144 \375\055\327\060\343\244\020\027\353\332\051\051\266\171\077\166 \366\031\023\043\270\020\012\371\130\244\324\141\160\275\004\141

 $\label{eq:control_loss} $$ \frac{152}{022} \frac{12}{027} \frac{325}{012} \frac{75}{305} \frac{74}{060} \frac{174}{326} \frac{351}{014} \frac{4045}{215} \frac{206}{100} \frac{117}{354} \frac{14}{243} \frac{176}{070} \frac{306}{067} \frac{1117}{355} \frac{335}{150} \frac{160}{1216} \frac{114}{322} \frac{263}{001} \frac{164}{356} \frac{276}{165} \frac{136}{007} \frac{110}{032} \frac{177}{160} \frac{377}{026} \frac{134}{204} \frac{300}{171} \frac{205}{270} \frac{375}{177} \frac{276}{145} \frac{321}{243} \frac{3017}{300} \frac{302}{264} \frac{370}{122} \frac{367}{071} \frac{325}{251} \frac{365}{235} \frac{236}{265} \frac{310}{236} \frac{174}{056} \frac{310}{244} \frac{36}{160} \frac{362}{237} \frac{365}{235} \frac{236}{265} \frac{310}{236} \frac{174}{14346} \frac{367}{267} \frac{316}{360} \frac{362}{237} \frac{356}{273} \frac{332}{267} \frac{362}{120} \frac{1163}{222} \frac{302}{342} \frac{343}{026} \frac{215}{232} \frac{320}{062} \frac{202}{253} \frac{16}{030} \frac{335}{351} \frac{351}{020} \frac{11}{356} \frac{374}{216} \frac{320}{376} \frac{317}{107} \frac{365}{374} \frac{317}{107} \frac{365}{374} \frac{317}{107} \frac{365}{374} \frac{320}{635} \frac{320}{376} \frac{310}{334} \frac{362}{152} \frac{365}{356} \frac{356}{074} \frac{325}{374} \frac{347}{201} \frac{35}{350} \frac{31}{303} \frac{344}{102} \frac{352}{143} \frac{317}{251} \right.$

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

 $\label{eq:condition} $$ 324\336\040\320\136\146\374\123\376\032\120\210\054\170\333\050$$

\122\312\344\164

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

 $\label{eq:condition} $$ \254\266\224\245\234\027\340\327\221\122\233\261\227\006\246\344$

END

CKA_ISSUER MULTILINE_OCTAL

 $\label{eq:condition} $$ \00013\0011\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\171\142\145\162\124\162\165\163\164\040\122\157\157\164$

```
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
\label{eq:condition} $$ \013\023\060\167\167\167\056\145\156\164\162\165\163\164\056\156$
\145\164\057\103\120\123\040\151\163\040\151\156\143\157\162\160
\label{eq:condition} $$ \frac{157}{162}\frac{141}{164}\frac{145}{144}\frac{040}{142}\frac{171}{040}\frac{162}{145}\frac{146}{145}\frac{162}{145}$
\156\143\145\061\037\060\035\006\003\125\004\013\023\026\050\143
\label{eq:condition} $$ \051\040\062\060\066\040\105\156\164\162\165\163\164\054\040 $$
\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

END

 $\label{eq:control_loss} $$ \061\026\060\024\006\003\125\004\012\023\015\105\156\164\162\165\163\164\056\061\071\060\067\006\003\125\004\013\023\060\167\167\167\167\056\145\156\164\162\165\163\164\056\156\145\156\143\157\162\146\145\144\040\142\171\040\162\145\146\145\162\145\145\146\145\162\145\143\145\061\037\060\035\006\003\125\004\013\023\026\050\143\151\163\164\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 $\label{eq:condition} $$ \005\000\060\201\260\061\013\060\011\006\003\125\004\006\023\002$ \125\123\061\026\060\024\006\003\125\004\012\023\015\105\156\164 \162\165\163\164\054\040\111\156\143\056\061\071\060\067\006\003 \125\004\013\023\060\167\167\167\056\145\156\164\162\165\163\164 \056\156\145\164\057\103\120\123\040\151\163\040\151\156\143\157 \162\160\157\162\141\164\145\144\040\142\171\040\162\145\146\145 \162\145\156\143\145\061\037\060\035\006\003\125\004\013\023\026 \050\143\051\040\062\060\060\066\040\105\156\164\162\165\163\164 \054\040\111\156\143\056\061\055\060\053\006\003\125\004\003\023 \044\105\156\164\162\165\163\164\040\122\157\157\164\040\103\145 \162\164\151\146\151\143\141\164\151\157\156\040\101\165\164\150 \157\162\151\164\171\060\036\027\015\060\066\061\061\062\067\062 \060\062\063\064\062\132\027\015\062\066\061\061\062\067\062\060 \065\063\064\062\132\060\201\260\061\013\060\011\006\003\125\004 \006\023\002\125\123\061\026\060\024\006\003\125\004\012\023\015 \105\156\164\162\165\163\164\054\040\111\156\143\056\061\071\060 \067\006\003\125\004\013\023\060\167\167\167\056\145\156\164\162 \165\163\164\056\156\145\164\057\103\120\123\040\151\163\040\151 $\label{eq:local_$ \145\146\145\162\145\156\143\145\061\037\060\035\006\003\125\004 $\label{eq:condition} $$ \0.013\0.023\0.026\0.050\1.43\0.051\0.062\0.060\0.066\0.066\0.060\0.066\0.06$ \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 $\label{eq:condition} $$ \052\206\110\206\367\015\001\001\001\005\000\003\202\001\017\000 $$$ \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 $\label{eq:condition} $$ \025\331\107\331\365\320\053\377\202\113\311\255\076\336\114\333$ \220\200\120\077\011\212\204\000\354\060\012\075\030\315\373\375 $\label{eq:condition} $$ \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 $\verb|255|276|274|217|254|122|226|113|252|121|215|344|023|061|031|350|$ \116\115\237\333\254\263\152\325\274\071\124\161\312\172\177 \220\335\175\035\200\331\201\273\131\046\302\021\376\346\223\342 $\label{eq:condition} $$ \367\200\344\145\373\064\067\016\051\200\160\115\257\070\206\056$$ \236\177\127\257\236\027\256\353\034\313\050\041\137\266\034\330 $\label{eq:condition} $$ 347\242\004\042\371\323\332\330\313\002\003\001\000\001\243\201 $$$ \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 $\label{eq:condition} $$ \000\003\001\001\377\060\053\006\003\125\035\020\004\044\060\042 $$$ \200\017\062\060\060\066\061\061\062\067\062\060\062\063\064\062 \132\201\017\062\060\062\066\061\061\062\067\062\060\065\063\064 $\label{eq:condition} $$ \062\132\060\037\006\003\125\035\043\004\030\060\026\200\024\150 $$$ \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 $\label{eq:condition} $\344\147\244\246\123\200\307\206\146\244\361\367\113\103\373\204$$ \275\155\060\035\006\011\052\206\110\206\366\175\007\101\000\004 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \350\221\014\005\040\251\137\031\312\173\162\116\324\261\333\320 $$$ \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 $\label{eq:condition} $$ 120\154\364\137\024\342\223\164\300\023\236\060\072\120\343\264$ \140\305\034\360\042\104\215\161\107\254\310\032\311\351\233\232 \000\140\023\377\160\176\137\021\115\111\033\263\025\122\173\311 \124\332\277\235\225\257\153\232\330\236\351\361\344\103\215\342 $\label{eq:condition} $$ \021\104\072\277\257\275\203\102\163\122\213\252\273\247\051\317 $$$ \365\144\034\012\115\321\274\252\254\237\052\320\377\177\177\332 \175\352\261\355\060\045\301\204\332\064\322\133\170\203\126\354 \234\066\303\046\342\021\366\147\111\035\222\253\214\373\353\377 $\label{eq:condition} $$ \frac{356}{205}112\\247\\120\\200\\360\\247\\134\\112\\224\\056\\137\\005\\231$ $\label{eq:condition} $$ \074\122\101\340\315\264\143\317\001\103\272\234\203\334\217\140 $$$ \073\363\132\264\264\173\256\332\013\220\070\165\357\201\035\146 $\verb|322|367|127|160|066|263|277|374|050|257|161|045|205|133|023|376|$ \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
\label{eq:condition} $$ \060\201\260\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\026\060\024\006\003\125\004\012\023\015\105\156\164\162\165
\163\164\054\040\111\156\143\056\061\071\060\067\006\003\125\004
\013\023\060\167\167\167\056\145\156\164\162\165\163\164\056\156
\145\164\057\103\120\123\040\151\163\040\151\156\143\157\162\160
\157\162\141\164\145\144\040\142\171\040\162\145\146\145\162\145
\156\143\145\061\037\060\035\006\003\125\004\013\023\026\050\143
\label{eq:condition} $$ \051\040\062\060\066\040\105\156\164\162\165\163\164\054\040 $$
\111\156\143\056\061\055\060\053\006\003\125\004\003\023\044\105
\label{eq:condition} $$ \frac{156}{164}\frac{162}{165}\frac{163}{164}\frac{122}{157}\frac{157}{164}\frac{040}{103}\frac{145}{162}\frac{164}{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

END

CKA_ID

UTF8 "0"

CKA ISSUER MULTILINE OCTAL

 $\label{eq:condition} $$ \000/076/061/013/060/011/006/003/125/004/006/023/002/120/114/061 $$ \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

\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 $\label{eq:condition} $$ \001\000\316\261\301\056\323\117\174\315\045\316\030\076\117\304 $$$ \214\157\200\152\163\310\133\121\370\233\322\334\273\000\134\261 \240\374\165\003\356\201\360\210\356\043\122\351\346\025\063\215 \254\055\011\305\166\371\053\071\200\211\344\227\113\220\245\250 \170\370\163\103\173\244\141\260\330\130\314\341\154\146\176\234 \363\011\136\125\143\204\325\250\357\363\261\056\060\150\263\304 \074\330\254\156\215\231\132\220\116\064\334\066\232\217\201\210 \120\267\155\226\102\011\363\327\225\203\015\101\113\260\152\153 $\label{eq:condition} $$ 370\374\017\176\142\237\147\304\355\046\137\020\046\017\010\117$ \360\244\127\050\316\217\270\355\105\366\156\356\045\135\252\156 \071\276\344\223\057\331\107\240\162\353\372\246\133\257\312\123 $\label{eq:condition} $$ \077\342\016\306\226\126\021\156\367\351\146\251\046\330\177\225 $$$ $\label{eq:local_$ \000\252\150\013\241\032\205\001\234\304\106\143\202\210\266\042 \261\356\376\252\106\131\176\317\065\054\325\266\332\135\367\110 \063\024\124\266\353\331\157\316\315\210\326\253\033\332\226\073 \035\131\002\003\001\000\001\243\023\060\021\060\017\006\003\125 $\label{eq:condition} $$ \035\023\001\001\377\004\005\060\003\001\001\377\060\015\006\011 $$$ \052\206\110\206\367\015\001\001\005\005\000\003\202\001\001\000 \270\215\316\357\347\024\272\317\356\260\104\222\154\264\071\076 $\label{eq:condition} $$ 242\204\156\255\270\041\167\322\324\167\202\207\346\040\101\201 $$$ \356\342\370\021\267\143\321\027\067\276\031\166\044\034\004\032 \114\353\075\252\147\157\055\324\315\376\145\061\160\305\033\246 \002\012\272\140\173\155\130\302\232\111\376\143\062\013\153\343 \072\300\254\253\073\260\350\323\011\121\214\020\203\306\064\340 $\label{eq:condition} $$ 305\053\340\032\266\140\024\047\154\062\167\214\274\262\162\230 $$$ \317\315\314\077\271\310\044\102\024\326\127\374\346\046\103\251 \035\345\200\220\316\003\124\050\076\367\077\323\370\115\355\152 $\label{eq:condition} $$ \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

 $CKA_NSS_MOZILLA_CA_POLICY$

CK_BBOOL CK_TRUE

END

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
\label{eq:condition} $$ \03\060\031\006\003\125\004\012\023\022\125\156\151\172\145\164$$
\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

 $\label{eq:condition} $$ \000\173\061\013\060\011\006\003\125\004\0006\023\002\107\102\061\033\060\031\006\003\125\0004\010\014\022\107\162\145\141\164\145\162\061\020\060\016\0006\003\125\0004\007\123\141\154\146\157\162\144\061\032\060\030\006\003\125\0004\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\0004\003\014\030\101\101\101\040\103\145\162\164\151\146\151\146\151\143\141\164\145\040\123\145\162\166\151\143\145\163$

END

CKA ID

UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

 $\label{eq:condition} $$ \000\173\061\013\060\011\006\003\125\004\000\0023\002\107\102\061\033\060\031\006\003\125\004\010\014\022\107\162\145\141\164\145\162\060\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\101\040\103\145\162\164\151\146\151\146\151\146\151\146\153\143\145\163$

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL \002\001\001

END

CKA_VALUE MULTILINE_OCTAL

\060\202\004\062\060\202\003\032\240\003\002\001\002\002\001\001 \060\015\006\011\052\206\110\206\367\015\001\001\005\005\000\060 \173\061\013\060\011\006\003\125\004\006\023\002\107\102\061\033 \060\031\006\003\125\004\010\014\022\107\162\145\141\164\145\162 \040\115\141\156\143\150\145\163\164\145\162\061\020\060\016\006 \003\125\004\007\014\007\123\141\154\146\157\162\144\061\032\060 \030\006\003\125\004\012\014\021\103\157\155\157\144\157\040\103 \101\040\114\151\155\151\164\145\144\061\041\060\037\006\003\125 \004\003\014\030\101\101\101\040\103\145\162\164\151\146\151\143 $\\ 141 \\ 164 \\ 145 \\ 040 \\ 123 \\ 145 \\ 162 \\ 166 \\ 151 \\ 143 \\ 145 \\ 163 \\ 060 \\ 036 \\ 027 \\ 015 \\$ $\label{eq:condition} $$ \0.060\0.0$ $\label{eq:condition} $$ \070\061\062\063\066\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 $\verb|237|016|001|336|357|237|231|11|361|055|337|254|164|115|033|230|$ \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 $\label{eq:condition} $$ \240\021\012\043\076\226\361\007\354\342\257\051\357\202\245\177 $$$ \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 $\label{eq:condition} $$ \000\003\001\001\377\060\173\006\003\125\035\037\004\164\060\162$$$ \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 $\label{eq:condition} $$ \206\060\150\164\164\160\072\057\057\143\162\154\056\143\157\155$$ \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 $\label{eq:condition} $$ 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

 $\label{eq:condition} $$ \03\060\03\1006\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

 $\\ \\006\\ \\003\\ \\125\\ \\004\\ \\007\\ \\014\\ \\007\\ \\123\\ \\141\\ \\154\\ \\146\\ \\157\\ \\162\\ \\144\\ \\061\\ \\032$

 $\label{eq:condition} $$ \000\000\000\12\004\012\014\021\103\157\155\157\144\157\040 $$$

\125\004\003\014\030\101\101\101\040\103\145\162\164\151\146\151

 $\\ 143 \\ 141 \\ 164 \\ 145 \\ 040 \\ 123 \\ 145 \\ 162 \\ 166 \\ 151 \\ 143 \\ 145 \\ 163$

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

\002\001\001

END

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#

```
# Certificate "QuoVadis Root CA 2"
```

#

Issuer: CN=QuoVadis Root CA 2,O=QuoVadis Limited,C=BM

Serial Number: 1289 (0x509)

Subject: CN=QuoVadis Root CA 2,O=QuoVadis Limited,C=BM

Not Valid Before: Fri Nov 24 18:27:00 2006 # Not Valid After : Mon Nov 24 18:23:33 2031

Fingerprint (SHA-256):

85:A0:DD:7D:D7:20:AD:B7:FF:05:F8:3D:54:2B:20:9D:C7:FF:45:28:F7:D6:77:B1:83:89:FE:A5:E5:C4:9E:86

Fingerprint (SHA1): CA:3A:FB:CF:12:40:36:4B:44:B2:16:20:88:80:48:39:19:93:7C:F7

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE

CKA_TOKEN CK_BBOOL CK_TRUE

CKA PRIVATE CK BBOOL CK FALSE

CKA_MODIFIABLE CK_BBOOL

CK FALSE

CKA_LABEL UTF8 "QuoVadis Root CA 2"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA SUBJECT MULTILINE OCTAL

END

CKA ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

 $\label{eq:condition} $$ \00105\061\013\060\011\006\003\125\004\006\023\002\102\115\061 $$ \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\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

\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 $\\ \\067\\ \\217\\ \\110\\ \\161\\ \\143\\ \\042\\ \\354\\ \\027\\ \\145\\ \\007\\ \\225\\ \\212\\ \\113\\ \\337\\ \\217\\ \\306$ $\label{eq:condition} $$ \frac{132}{012}\frac{345}{260}\frac{343}{137}\frac{136}{153}\frac{21}{253}\frac{314}{371}\frac{205}{353}\frac{104}{351} $$$ \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 $\label{eq:condition} $$ \023\205\162\143\003\004\340\004\066\053\040\031\002\350\164\247 $$$ \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 $\label{eq:condition} $$ \026\004\024\032\204\142\274\110\114\063\045\004\324\356\320\366$$ \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 \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 \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 $\label{eq:condition} $$ 101\107\226\014\373\340\202\046\223\125\214\376\042\037\140\145$$ \174\137\347\046\263\367\062\220\230\120\324\067\161\125\366\222 $\label{eq:condition} $$ \041\170\367\225\171\372\370\055\046\207\146\126\060\167\246\067 $$$ $\label{eq:condition} $$ \frac{170\,063\,122\,020\,130\,256\,077\,141\,216\,362\,152\,261\,357\,030\,176\,112}{170\,063\,122\,020\,130\,256\,077\,141\,216\,362\,152\,261\,357\,030\,176\,112}$ \131\143\312\215\242\126\325\247\057\274\126\037\317\071\301\342 $\label{eq:condition} $$ 373\012\250\025\054\175\115\172\143\306\154\227\104\074\322\157 $$$ $\label{eq:condition} $$ 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 $\label{eq:condition} $$ \070\365\073\350\100\341\264\156\126\032\040\314\157\130\215\355 $$$ $\label{eq:condition} $$ \056\105\217\326\351\223\077\347\261\054\337\072\326\042\214\334 $$$ \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 $\label{eq:condition} $$ \247\120\225\367\272\310\233\346\216\242\001\305\326\146\277\171 $$$ \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 $\label{eq:condition} $$ 341\243\223\035\314\212\046\132\011\070\320\316\327\015\200\026 $$$ \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 $\label{eq:condition} $$ \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
```

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
\label{eq:condition} $$ \060\105\061\013\060\011\006\003\125\004\006\023\002\102\115\061\
\label{eq:condition} $$ \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
\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
\label{eq:condition} $$ \060\105\061\013\060\011\006\003\125\004\006\023\002\102\115\061 $$
```

\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

 $\label{eq:condition} $$ \00105\061\013\060\011\006\003\125\004\006\023\002\102\115\061 $$ \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\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 $\label{eq:condition} $$ \060\105\061\013\060\011\006\003\125\004\006\023\002\102\115\061 $$$ \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 $\label{eq:condition} $$ 125\004\003\023\022\121\165\157\126\141\144\151\163\040\122\157$ \157\164\040\103\101\040\063\060\036\027\015\060\066\061\061\062 \061\071\060\066\064\064\132\060\105\061\013\060\011\006\003\125 \004\006\023\002\102\115\061\031\060\027\006\003\125\004\012\023 $\label{eq:condition} $$ \020\121\165\157\126\141\144\151\163\040\114\151\155\151\164\145 $$$ \144\061\033\060\031\006\003\125\004\003\023\022\121\165\157\126 \141\144\151\163\040\122\157\157\164\040\103\101\040\063\060\202 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \276\001\242\131\317\161\346\017\051\166\377\261\126\171\105\053$ $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \frac{150}{121}353\\332\\077\\005\\177\\213\\062\\346\\023\\134\\153\\376\\137\\100$ $\label{eq:condition} $$ 342\042\310\264\264\144\117\326\272\175\110\076\250\151\014\327 $$$ \273\206\161\311\163\270\077\073\235\045\113\332\377\100\353\002 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \0.053\0.06\0.001\0.004\0.01\2.76\1.30\0.000\0.003\0.60\2.01\3.05\0.60\2.01\2.23\0.06$ \010\053\006\001\005\005\007\002\002\060\201\206\032\201\203\101 \156\171\040\165\163\145\040\157\146\040\164\150\151\163\040\103 $\\ 145 \\ 162 \\ 164 \\ 151 \\ 146 \\ 151 \\ 143 \\ 141 \\ 164 \\ 145 \\ 040 \\ 143 \\ 157 \\ 156 \\ 163 \\ 164 \\$ \151\164\165\164\145\163\040\141\143\143\145\160\164\141\156\143 \145\040\157\146\040\164\150\145\040\121\165\157\126\141\144\151 \163\040\122\157\157\164\040\103\101\040\063\040\103\145\162\164 \151\146\151\143\141\164\145\040\120\157\154\151\143\171\040\057 $\\ \\ 040\\ \\ 103\\ \\ 145\\ \\ 162\\ \\ 164\\ \\ 151\\ \\ 146\\ \\ 151\\ \\ 143\\ \\ 141\\ \\ 164\\ \\ 151\\ \\ 157\\ \\ 156\\ \\ 040\\ \\ 120$ \162\141\143\164\151\143\145\040\123\164\141\164\145\155\145\156 \164\056\060\055\006\010\053\006\001\005\005\007\002\001\026\041 $\label{eq:condition} $$ \frac{150}{164}\frac{160}{072}\frac{057}{057}\frac{167}{167}\frac{167}{056}\frac{161}{165}\frac{157}{166}\frac{141}{165} $$$ \144\151\163\147\154\157\142\141\154\056\143\157\155\057\143\160 \163\060\013\006\003\125\035\017\004\004\003\002\001\006\060\035 \006\003\125\035\016\004\026\004\024\362\300\023\340\202\103\076 \373\356\057\147\062\226\065\134\333\270\313\002\320\060\156\006 \003\125\035\043\004\147\060\145\200\024\362\300\023\340\202\103 \076\373\356\057\147\062\226\065\134\333\270\313\002\320\241\111 \244\107\060\105\061\013\060\011\006\003\125\004\006\023\002\102 \141\144\151\163\040\114\151\155\151\164\145\144\061\033\060\031 \006\003\125\004\003\023\022\121\165\157\126\141\144\151\163\040 \122\157\157\164\040\103\101\040\063\202\002\005\306\060\015\006 \011\052\206\110\206\367\015\001\001\005\005\000\003\202\002\001 \000\117\255\240\054\114\372\300\362\157\367\146\125\253\043\064 \356\347\051\332\303\133\266\260\203\331\320\320\342\041\373\363 \140\247\073\135\140\123\047\242\233\366\010\042\052\347\277\240 $\label{eq:condition} $$ 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 $\label{eq:condition} $$ \353\200\047\333\365\246\104\015\237\132\125\131\013\325\015\122$ \110\305\256\237\362\057\200\305\352\062\120\065\022\227\056\301 $\label{eq:condition} $$ \frac{341}{377}\frac{361}{043}\frac{210}{121}\frac{070}{237}\frac{362}{146}\frac{126}{166}\frac{347}{017}\frac{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 $\label{eq:condition} $$ \015\200\104\301\256\323\043\067\137\273\205\174\053\222\056\350 $$$ \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 $\label{eq:condition} $$ \002\323\240\330\125\212\006\231\031\242\240\167\321\060\236\254$$ \314\165\356\203\365\260\142\071\317\154\127\342\114\322\221\013 \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 $\label{eq:condition} $$ \frac{137}{116}\frac{301}{050}\frac{222}{336}\frac{030}{272}\frac{325}{052}\frac{050}{273}\frac{21}{213}\frac{223}{027}$ \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
\label{eq:condition} $$ \031\060\027\006\003\125\004\012\023\020\121\165\157\126\141\144
\151\163\040\114\151\155\151\164\145\144\061\033\060\031\006\003
\125\004\003\023\022\121\165\157\126\141\144\151\163\040\122\157
\157\164\040\103\101\040\063
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\002\005\306
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA TRUST EMAIL PROTECTION CK TRUST CKT NSS TRUSTED DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
# Certificate "Security Communication Root CA"
# Issuer: OU=Security Communication RootCA1,O=SECOM Trust.net,C=JP
# Serial Number: 0 (0x0)
# Subject: OU=Security Communication RootCA1,O=SECOM Trust.net,C=JP
# Not Valid Before: Tue Sep 30 04:20:49 2003
# Not Valid After: Sat Sep 30 04:20:49 2023
# Fingerprint (SHA-256):
E7:5E:72:ED:9F:56:0E:EC:6E:B4:80:00:73:A4:3F:C3:AD:19:19:5A:39:22:82:01:78:95:97:4A:99:02:6B:6C
# Fingerprint (SHA1): 36:B1:2B:49:F9:81:9E:D7:4C:9E:BC:38:0F:C6:56:8F:5D:AC:B2:F7
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Security Communication
Root CA"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\120\061\013\060\011\006\003\125\004\006\023\002\112\120\061
\030\060\026\006\003\125\004\012\023\017\123\105\103\117\115\040
\124\162\165\163\164\056\156\145\164\061\047\060\045\006\003\125
\004\013\023\036\123\145\143\165\162\151\164\171\040\103\157\155
\155\165\156\151\143\141\164\151\157\156\040\122\157\157\164\103
```

\101\061

END

CKA ID UTF8 "0"

CKA ISSUER MULTILINE OCTAL

 $\label{eq:condition} $$ \000\120\061\013\060\011\006\003\125\004\006\023\002\112\120\061 $$ \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 $\label{eq:condition} $$ \006\011\052\206\110\206\367\015\001\001\005\005\000\060 $$$ \120\061\013\060\011\006\003\125\004\006\023\002\112\120\061\030 \060\026\006\003\125\004\012\023\017\123\105\103\117\115\040\124 \162\165\163\164\056\156\145\164\061\047\060\045\006\003\125\004 \013\023\036\123\145\143\165\162\151\164\171\040\103\157\155\155 \165\156\151\143\141\164\151\157\156\040\122\157\157\164\103\101 \061\060\036\027\015\060\063\060\071\063\060\060\064\062\060\064 \071\132\027\015\062\063\060\071\063\060\060\064\062\060\064\071 \132\060\120\061\013\060\011\006\003\125\004\006\023\002\112\120 \061\030\060\026\006\003\125\004\012\023\017\123\105\103\117\115 \040\124\162\165\163\164\056\156\145\164\061\047\060\045\006\003 \125\004\013\023\036\123\145\143\165\162\151\164\171\040\103\157 \155\155\165\156\151\143\141\164\151\157\156\040\122\157\157\164 \103\101\061\060\202\001\042\060\015\006\011\052\206\110\206\367 \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 $\label{eq:condition} $$ 162\114\043\060\207\001\130\366\116\276\034\150\126\146\257\315$$ \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 $\label{eq:condition} $$ \001\001\377\004\005\060\003\001\001\377\060\015\006\011\052\206 $$$ \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 $\label{eq:condition} $$ \040\304\034\360\267\332\204\130\002\143\372\110\026\357\117\245 $$$ \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 $\label{eq:condition} $$ 161\245\062\252\057\306\211\166\103\100\023\023\147\075\242\124 $$$ \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 $\label{eq:condition} $$ \frac{14}154 \cdot 14^164 \cdot 102 \cdot 355 \cdot 123 \cdot 377 \cdot 063 \cdot 213 \cdot 217 \cdot 017 \cdot 127 \cdot 001 \cdot 026 \cdot 127 \cdot 12$ \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

 ${\it CKA_PRIVATE\ CK_BBOOL\ CK_FALSE}$

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "Security Communication Root CA"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

 $\label{eq:condition} $$ \066\261\053\111\371\201\236\327\114\236\274\070\017\306\126\217 $$$

END

\135\254\262\367

CKA_CERT_MD5_HASH MULTILINE_OCTAL

```
END
CKA ISSUER MULTILINE OCTAL
\060\120\061\013\060\011\006\003\125\004\006\023\002\112\120\061
\004\013\023\036\123\145\143\165\162\151\164\171\040\103\157\155
\155\165\156\151\143\141\164\151\157\156\040\122\157\157\164\103
\101\061
END
CKA SERIAL NUMBER MULTILINE OCTAL
\002\001\000
END
CKA TRUST SERVER AUTH CK TRUST CKT NSS TRUSTED DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED
CK_BBOOL CK_FALSE
# Certificate "Camerfirma Chambers of Commerce Root"
# Issuer: CN=Chambers of Commerce Root, OU=http://www.chambersign.org, O=AC Camerfirma SA CIF
A82743287,C=EU
# Serial Number: 0 (0x0)
# Subject: CN=Chambers of Commerce Root, OU=http://www.chambersign.org, O=AC Camerfirma SA CIF
A82743287.C=EU
# Not Valid Before: Tue Sep 30 16:13:43 2003
# Not Valid After: Wed Sep 30 16:13:44 2037
# Fingerprint (SHA-256):
0C:25:8A:12:A5:67:4A:EF:25:F2:8B:A7:DC:FA:EC:EE:A3:48:E5:41:E6:F5:CC:4E:E6:3B:71:B3:61:60:6A:C3
# Fingerprint (SHA1): 6E:3A:55:A4:19:0C:19:5C:93:84:3C:C0:DB:72:2E:31:30:61:F0:B1
CKA CLASS CK OBJECT CLASS CKO CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA PRIVATE CK BBOOL CK FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Camerfirma Chambers of Commerce Root"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\label{eq:condition} $$ \060\177\061\013\060\011\006\003\125\004\006\023\002\105\125\061 $$
\\ \\047\\060\\045\\006\\003\\125\\004\\012\\023\\036\\101\\103\\040\\103\\141\\155
\145\162\146\151\162\155\141\040\123\101\040\103\111\106\040\101
\070\062\067\064\063\062\070\067\061\043\060\041\006\003\125\004
\013\023\032\150\164\164\160\072\057\057\167\167\167\056\143\150
\141\155\142\145\162\163\151\147\156\056\157\162\147\061\042\060
\040\006\003\125\004\003\023\031\103\150\141\155\142\145\162\163
\040\157\146\040\103\157\155\155\145\162\143\145\040\122\157\157
```

\164 END CKA ID

UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

 $\label{eq:control} $$ \000\170\061\013\060\011\006\003\125\004\006\023\002\105\125\061 $$ \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\166\072\057\057\167\167\167\167\167\056\143\150\141\155\142\145\162\163\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 $\label{eq:condition} $$ \006\011\052\206\110\206\367\015\001\001\005\005\000\060 $$$ \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 $\label{eq:condition} $$ \frac{162\\146\\151\\162\\155\\141\\040\\123\\101\\040\\103\\111\\106\\040\\101\\070$ \062\067\064\063\062\070\067\061\043\060\041\006\003\125\004\013 \023\032\150\164\164\160\072\057\057\167\167\167\056\143\150\141 \155\142\145\162\163\151\147\156\056\157\162\147\061\042\060\040 \006\003\125\004\003\023\031\103\150\141\155\142\145\162\163\040 $\label{eq:local_$ \060\036\027\015\060\063\060\071\063\060\061\066\061\063\064\063 \132\027\015\063\067\060\071\063\060\061\066\061\063\064\064\132 $\label{eq:condition} $$ \060\177\061\013\060\011\006\003\125\004\006\023\002\105\125\061 $$$ \047\060\045\006\003\125\004\012\023\036\101\103\040\103\141\155 \145\162\146\151\162\155\141\040\123\101\040\103\111\106\040\101 \070\062\067\064\063\062\070\067\061\043\060\041\006\003\125\004 \013\023\032\150\164\164\160\072\057\057\167\167\167\056\143\150 \141\155\142\145\162\163\151\147\156\056\157\162\147\061\042\060 \040\006\003\125\004\003\023\031\103\150\141\155\142\145\162\163 \040\157\146\040\103\157\155\155\145\162\143\145\040\122\157\157 $\label{eq:condition} $$ 164\060\202\001\040\060\015\006\011\052\206\110\206\367\015\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 $\label{eq:condition} $$ \035\006\003\125\035\016\004\026\004\024\343\224\365\261\115\351 $$$ \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 $\label{eq:local_$ \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 $\label{eq:condition} $$ \frac{151}147\\156\\056\\157\\162\\147\\057\\143\\160\\163\\057\\143\\150\\141\\155$ \142\145\162\163\162\157\157\164\056\150\164\155\154\060\015\006 \011\052\206\110\206\367\015\001\001\005\005\000\003\202\001\001 $\label{eq:condition} $$ \000\014\101\227\302\032\206\300\042\174\237\373\220\363\032\321 $$$ \003\261\357\023\371\041\137\004\234\332\311\245\215\047\154\226 \207\221\276\101\220\001\162\223\347\036\175\137\366\211\306\135 \247\100\011\075\254\111\105\105\334\056\215\060\150\262\011\272 \373\303\057\314\272\013\337\077\167\173\106\175\072\022\044\216 \226\217\074\005\012\157\322\224\050\035\155\014\300\056\210\042 \325\330\317\035\023\307\360\110\327\327\005\247\317\307\107\236 $\label{eq:condition} $$ \073\074\064\310\200\117\324\024\273\374\015\120\367\372\263\354$$ $\\ 134 \\ 054 \\ 375 \\ 172 \\ 116 \\ 264 \\ 001 \\ 305 \\ 005 \\ 127 \\ 271 \\ 347 \\ 074 \\ 252 \\ 005 \\ 331 \\$ \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

 $|060\rangle141\rangle360\rangle261$

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

\260\001\356\024\331\257\051\030\224\166\216\361\151\063\052\204

END

CKA_ISSUER MULTILINE_OCTAL

\060\177\061\013\060\011\006\003\125\004\006\023\002\105\125\061

\047\060\045\006\003\125\004\012\023\036\101\103\040\103\141\155

\145\162\146\151\162\155\141\040\123\101\040\103\111\106\040\101

\070\062\067\064\063\062\070\067\061\043\060\041\006\003\125\004

\013\023\032\150\164\164\160\072\057\057\167\167\167\056\143\150

 $\label{eq:condition} $$ \040\006\003\125\004\003\023\031\103\150\141\155\142\145\162\163$$

\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
\label{eq:condition} $$ \060\175\061\013\060\011\006\003\125\004\006\023\002\105\125\061 $$
\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
\label{eq:condition} $$ \070\062\067\064\063\062\070\067\061\043\060\041\006\003\125\004
\013\023\032\150\164\164\160\072\057\057\167\167\167\056\143\150
\141\155\142\145\162\163\151\147\156\056\157\162\147\061\040\060
\label{eq:condition} $$ \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
\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 $\label{eq:condition} $$ \023\032\150\164\164\160\072\057\057\167\167\167\056\143\150\141 $$$ \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 \045\006\003\125\004\012\023\036\101\103\040\103\141\155\145\162 $\label{eq:condition} $$ \frac{146}{151}\frac{62}{155}\frac{141}{040}\frac{123}{101}\frac{040}{103}\frac{111}{106}\frac{040}{101}\frac{070}{062} $$$ \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 $\\ \langle 040 \rangle 060 \rangle 015 \rangle 006 \rangle 011 \rangle 052 \rangle 206 \rangle 110 \rangle 206 \rangle 367 \rangle 015 \rangle 001 \rangle 001 \rangle 005 \rangle 000$ \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 $\label{eq:condition} $$ \065\207\371\125\372\243\037\016\157\056\050\335\151\240\331\102$$$ \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 $\label{eq:condition} $$ \013\373\032\311\304\215\003\251\176\134\362\120\253\022\245\241 $$$ \317\110\120\245\357\322\310\032\023\372\260\177\261\202\034\167 $\label{eq:condition} $$ \frac{152}{017}\frac{334}{013}\frac{225}{217}\frac{357}{103}\frac{176}{346}\frac{346}{105}\frac{1045}{002}\frac{001}{01} $$$ \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 $\label{eq:cond_cond} $$ \000052\006\003\125\035\021\004\043\060\041\201\037\143\150\141 $$$ \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 $\label{eq:condition} $$ \026\063\150\164\164\160\072\057\057\143\160\163\056\143\150\141 $$$ \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 $\label{eq:condition} $$ \056\150\164\155\154\060\015\006\011\052\206\110\206\367\015\001$ $\label{eq:condition} $$ \001\005\000\003\202\001\001\000\074\073\160\221\371\004\124 = 4.5$ \047\221\341\355\355\376\150\177\141\135\345\101\145\117\062\361 $\label{eq:condition} $$ \030\005\224\152\034\336\037\160\333\076\173\062\002\064\265\014$$$ \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 $\label{eq:condition} $$ \046\242\060\055\350\227\046\127\065\211\164\226\030\366\025\342 $$$ \257\044\031\126\002\002\262\272\017\024\352\306\212\146\301\206 $\label{eq:condition} $$ 105\125\213\276\222\276\234\244\004\307\111\074\236\350\051\172$ \211\327\376\257\377\150\365\245\027\220\275\254\231\314\245\206 \127\011\147\106\333\326\026\302\106\361\344\251\120\365\217\321 \222\025\323\137\076\306\000\111\072\156\130\262\321\321\047\015 \045\310\062\370\040\021\315\175\062\063\110\224\124\114\335\334 \171\304\060\237\353\216\270\125\265\327\210\134\305\152\044\075 $\label{eq:condition} $$ \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

 ${\tt CKA_NSS_EMAIL_DISTRUST_AFTER\ MULTILINE_OCTAL}$

\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)

A82743287,C=EU

 ${\tt\#\,Subject:\,CN=Global\,\,Chambersign\,\,Root,OU=http://www.chambersign.org,O=AC\,\,Camerfirma\,\,SA\,\,CIF}$

Not Valid Before: Tue Sep 30 16:14:18 2003 # Not Valid After : Wed Sep 30 16:14:18 2037

```
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
\label{eq:condition} $$ \024\120\044\233\125\172\001\207\162\204\331\340\057$
\303\322\330\351
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\label{eq:condition} $$ 305\346\173\277\006\320\117\103\355\304\172\145\212\373\153\031 $$
END
CKA_ISSUER MULTILINE_OCTAL
\060\175\061\013\060\011\006\003\125\004\006\023\002\105\125\061
\047\060\045\006\003\125\004\012\023\036\101\103\040\103\141\155
\070\062\067\064\063\062\070\067\061\043\060\041\006\003\125\004
\label{eq:condition} $$ \032\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
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
```

Fingerprint (SHA-256):

CKA CLASS CK OBJECT 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

 $\label{eq:control_loop_variation} $$ \060\201\202\061\013\060\003\125\004\013\023\025\167\167\167\056\170\162\141\155\160\163\145\143\165\162\151\164\171\056\143\157\155\061\044\060\042\006\003\125\004\012\023\033\130\122\141\155\160\040\123\145\143\165\162\151\164\171\040\123\145\162\166\151\143\145\163\040\111\156\143\061\055\060\053\006\003\125\004\003\125\004\003\125\004\103\145\162\164\151\143\141\164\151\157\142\141\154\040\103\145\162\164\151\144\151\157\156\040\101\165\164\150\157\162\151\164\171$$

END

CKA ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

 $\label{eq:condition} $$ \002\020\120\224\154\354\030\352\325\234\115\325\227\357\165\217\240\255$

END

CKA VALUE MULTILINE OCTAL

 $\label{eq:condition} $$ \ensurement{$\label{eq:condition} $$ \ensurement} $$ \ensurement{$\label{eq:condition} $$ \ensurement{$\label{eq:condition} $$ \ensurement{$\label{eq:condition} $$ \ensurement} $$ \ensurement{$\label{eq:condition} $$ \ensurement{$\label{eq:cond$

\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 $\label{eq:condition} $$ \000\202\001\001\000\230\044\036\275\025\264\272 $$$ \337\307\214\245\047\266\070\013\151\363\266\116\250\054\056\041 $\label{eq:condition} $$ \035\134\104\337\041\135\176\043\164\376\136\176\264\112\267\246$$ \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 $\label{eq:condition} $$ \frac{177}112\230\171\237\340\303\061\176\200\053\265\214\300\100\073}$ \021\206\320\313\242\206\066\140\244\325\060\202\155\331\156\320 \017\022\004\063\227\137\117\141\132\360\344\371\221\253\347\035 $\label{eq:condition} $$ \073\274\350\317\364\153\055\064\174\342\110\141\034\216\363\141 $$$ \104\314\157\240\112\251\224\260\115\332\347\251\064\172\162\070 \250\101\314\074\224\021\175\353\310\246\214\267\206\313\312\063 $\label{eq:condition} $$ \073\331\075\067\213\373\172\076\206\054\347\163\327\012\127\254$$ \144\233\031\353\364\017\004\010\212\254\003\027\031\144\364\132 \045\042\215\064\054\262\366\150\035\022\155\323\212\036\024\332 \304\217\246\342\043\205\325\172\015\275\152\340\351\354\354\027 \273\102\033\147\252\045\355\105\203\041\374\301\311\174\325\142 $\label{eq:condition} $$ \076\372\362\305\055\323\375\324\145\002\003\001\000\001\243\201 $$$ \237\060\201\234\060\023\006\011\053\006\001\004\001\202\067\024 \002\004\006\036\004\000\103\000\101\060\013\006\003\125\035\017 $\\ \\004\\003\\002\\001\\206\\000\\017\\006\\003\\125\\035\\023\\001\\001\\377$ \004\005\060\003\001\001\377\060\035\006\003\125\035\016\004\026 \004\024\306\117\242\075\006\143\204\011\234\316\142\344\004\254 \215\134\265\351\266\033\060\066\006\003\125\035\037\004\057\060 \055\060\053\240\051\240\047\206\045\150\164\164\160\072\057\057 \143\162\154\056\170\162\141\155\160\163\145\143\165\162\151\164 \171\056\143\157\155\057\130\107\103\101\056\143\162\154\060\020 $\label{eq:condition} $$ \006\01\006\001\004\001\202\067\025\001\004\003\002\001\001$ $\label{eq:condition} $$ \006\011\052\206\110\206\367\015\001\001\005\005\000\003$ \202\001\001\000\221\025\071\003\001\033\147\373\112\034\371\012 \140\133\241\332\115\227\142\371\044\123\047\327\202\144\116\220 \056\303\111\033\053\232\334\374\250\170\147\065\361\035\360\021 \275\267\110\343\020\366\015\337\077\322\311\266\252\125\244\110 \272\002\333\336\131\056\025\133\073\235\026\175\107\327\067\352 \137\115\166\022\066\273\037\327\241\201\004\106\040\243\054\155 \251\236\001\176\077\051\316\000\223\337\375\311\222\163\211\211 \144\236\347\053\344\034\221\054\322\271\316\175\316\157\061\231 $\label{eq:condition} $$ 323\346\276\322\036\220\360\011\024\171\134\043\253\115\322\332$ $\label{eq:control} $$ \all 37\15\231\171\235\341\317\047\237\020\233\034\210\015\260 \all 212\144\101\061\270\016\154\220\044\244\233\134\161\217\272\273 \all 261\334\333\152\200\017\041\274\351\333\246\267\100\364\262 \all 213\251\261\344\357\232\032\320\075\151\231\356\250\050\243\341 \all 263\360\262\021\234\317\174\100\346\335\347\103\175\242\330 \all 265\251\215\362\064\231\304\324\020\341\006\375\011\204\020 \all 264\003\045\274 $$$

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

 $\label{eq:condition} $$ \270\001\206\321\353\234\206\245\101\004\317\060\124\363\114\122 $$$

\267\345\130\306

END

CKA CERT MD5 HASH MULTILINE OCTAL

 $\label{eq:condition} $$ \241\013\104\263\312\020\330\000\156\235\017\330\017\222\012\321 $$$

END

CKA_ISSUER MULTILINE_OCTAL

 $\label{eq:condition} $$ \000\201\202\061\013\060\011\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\125\004\003\125\141\155\160\040\107\154\157\142\141\154\040\103\145\162\164\151\146\151\146\151\146\151\146\151\165\164\150\$

\157\162\151\164\171

Open Source Used In vmoperator diamond 598

```
CKA SERIAL NUMBER
MULTILINE OCTAL
\label{eq:condition} $$ \002\020\120\224\154\354\030\352\325\234\115\325\227\357\165\217 $$
\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
\label{eq:condition} $$ \060\143\061\013\060\011\006\003\125\004\006\023\002\125\123\061 $$
\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
\label{eq:condition} $$ \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

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 $\label{eq:condition} $$ \000\03\125\004\012\023\030\124\150\145\040\107\157\040 $$$ \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 $\label{eq:condition} $$ \060\066\062\060\132\027\015\063\064\060\066\062\071\061\067\060 $$$ \066\062\060\132\060\143\061\013\060\011\006\003\125\004\006\023 $\label{eq:condition} $$ \002\125\123\061\041\060\037\006\003\125\004\012\023\030\124\150 $$$ \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 $\label{eq:condition} $$ \050\107\157\040\104\141\144\144\171\040\103\154\141\163\163\040 $$$ \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 $\label{eq:condition} $$ \011\052\206\110\206\367\015\001\001\001\005\000\003\202\001\015$ \000\060\202\001\010\002\202\001\001\000\336\235\327\352\127\030 \111\241\133\353\327\137\110\206\352\276\335\377\344\357\147\034 \364\145\150\263\127\161\240\136\167\273\355\233\111\351\160\200 \075\126\030\143\010\157\332\362\314\320\077\177\002\124\042\124 \020\330\262\201\324\300\165\075\113\177\307\167\303\076\170\253 \032\003\265\040\153\057\152\053\261\305\210\176\304\273\036\260 \301\330\105\047\157\252\067\130\367\207\046\327\330\055\366\251 $\\ \langle 027 \rangle 267 \rangle 037 \rangle 162 \rangle 066 \rangle 116 \rangle 246 \rangle 027 \rangle 077 \rangle 145 \rangle 230 \rangle 222 \rangle 333 \rangle 052 \rangle 156 \rangle 135 \rangle 162 \rangle 162 \rangle 162 \rangle 162 \rangle 162 \rangle 163 \rangle 162 \rangle 163 \rangle 162 \rangle 163 \rangle 162 \rangle 163 \rangle$ \242\376\210\340\013\336\177\345\215\025\341\353\313\072\325\342 \022\242\023\055\330\216\257\137\022\075\240\010\005\010\266\134 \245\145\070\004\105\231\036\243\140\140\164\305\101\245\162\142 \033\142\305\037\157\137\032\102\276\002\121\145\250\256\043\030 \152\374\170\003\251\115\177\200\303\372\253\132\374\241\100\244 \312\031\026\376\262\310\357\136\163\015\356\167\275\232\366\171 \230\274\261\007\147\242\025\015\335\240\130\306\104\173\012\076 $\label{eq:condition} $$ 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 $\\ 141\\164\\151\\157\\156\\040\\101\\165\\164\\150\\157\\162\\151\\164\\171\\202$ $\label{eq:condition} $$ \001\000\060\014\006\003\125\035\023\004\005\060\003\001\001\377 $$$ $\label{eq:condition} $$ \006\011\052\206\110\206\367\015\001\001\005\005\000\003$ \202\001\001\000\062\113\363\262\312\076\221\374\022\306\241\007 \214\216\167\240\063\006\024\134\220\036\030\367\010\246\075\012 $\label{eq:condition} $$ \031\371\207\200\021\156\151\344\226\027\060\377\064\221\143\162 $$$ \070\356\314\034\001\243\035\224\050\244\061\366\172\304\124\327 \366\345\061\130\003\242\314\316\142\333\224\105\163\265\277\105 \311\044\265\325\202\002\255\043\171\151\215\270\266\115\316\317 \114\312\063\043\350\034\210\252\235\213\101\156\026\311\040\345 \211\236\315\073\332\160\367\176\231\046\040\024\124\045\253\156 \163\205\346\233\041\235\012\154\202\016\250\370\302\014\372\020 $\label{eq:condition} $$ \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

 ${\tt CKA_NSS_SERVER_DISTRUST_AFTER\ CK_BBOOL\ CK_FALSE\ CKA_NSS_EMAIL_DISTRUST_AFTER\ CK_BBOOL\ CK_FALSE\ }$

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

 $\\ \\ \langle 047 \rangle 226 \rangle 272 \rangle 346 \rangle 077 \rangle 030 \rangle 001 \rangle 342 \rangle 167 \rangle 046 \rangle 033 \rangle 240 \rangle 327 \rangle 167 \rangle 160 \rangle 002$

\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
\label{eq:condition} $$ \060\143\061\013\060\011\006\003\125\004\006\023\002\125\123\061 $$
\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
\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
\label{eq:condition} $$ \060\150\061\013\060\011\006\003\125\004\006\023\002\125\123\061 $$
\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

 $\label{eq:condition} $$ \000\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\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\157\162\151\164\171$

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL \002\001\000

END

CKA_VALUE MULTILINE_OCTAL

\060\015\006\011\052\206\110\206\367\015\001\001\005\005\000\060 \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 $\label{eq:condition} $$ \040\111\156\143\056\061\062\060\060\006\003\125\004\013\023\051 $$$ \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 $\label{eq:condition} $$ 101\165\164\150\157\162\151\164\171\060\036\027\015\060\064\060$$ \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 $\label{eq:linear_continuous_self_continuous_$ \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 $\label{eq:condition} $$ \frac{310}{257}123\\057\\236\\312\\005\\001\\223\\036\\217\\146\\034\\071\\247\\115$ \372\132\266\163\004\045\146\353\167\177\347\131\306\112\231\045 $\label{eq:condition} $$ \024\124\353\046\307\363\177\031\325\060\160\217\257\260\106\052$$ \377\255\353\051\355\327\237\252\004\207\243\324\371\211\245\064 \137\333\103\221\202\066\331\146\074\261\270\271\202\375\234\072 $\label{eq:condition} $$ \076\020\310\073\357\006\145\146\172\233\031\030\075\377\161\121 $$$ \074\060\056\137\276\075\167\163\262\135\006\154\303\043\126\232 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \03125\035\016\004\026\004\024\277\137\267\321\316\335\037\206 $$$ \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 $\label{eq:condition} $$ \002\125\123\061\045\060\043\006\003\125\004\012\023\034\123\164$$$ $\\ 141\\162\\146\\151\\145\\145\\144\\040\\124\\145\\143\\150\\156\\157\\154\\157$ \147\151\145\163\054\040\111\156\143\056\061\062\060\060\006\003 \164\151\157\156\040\101\165\164\150\157\162\151\164\171\202\001 $\label{eq:condition} $$ \000\060\014\006\003\125\035\023\004\005\060\003\001\001\377\060 $$$ $\label{eq:condition} $$ \0.015\0.06\0.011\0.05\0.005\0.000\0.003\2.02 $$$ \001\001\000\005\235\077\210\235\321\311\032\125\241\254\151\363 $\label{eq:condition} $$ \363\131\332\233\001\207\032\117\127\251\241\171\011\052\333\367$$ \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 $\label{eq:condition} $$ \025\177\247\142\135\056\045\323\000\013\040\032\035\150\371\027$ \270\364\275\213\355\050\131\335\115\026\213\027\203\310\262\145 \307\055\172\245\252\274\123\206\155\335\127\244\312\370\040\101 $\label{eq:condition} $$ \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"
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
\label{eq:condition} $$ \060\150\061\013\060\011\006\003\125\004\006\023\002\125\123\061 $$
\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
\begin{tabular}{l} $$ \begin{tabular}{l} $1.123 \ 1.64 \ 1.41 \ 1.62 \ 1.46 \ 1.51 \ 1.45 \ 1.54 \ 1.44 \ 0.40 \ 1.03 \ 1.54 \ 1.41 \ 1.63 \ 1.63 \ 1.64 \ 1.41 \ 1.62 \ 1.46 \ 1.51 \ 1.45 \ 1.54 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \ 1.44 \
\\ \\ 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

 $\label{eq:condition} $$ \00145\001\006\003\125\004\006\023\002\125\123\061\025\006\0023\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\165\162\145\144\040\111\104\040\122\157\157\164\040\103\101$

END

CKA ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

 $\label{eq:condition} $$ \00145\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

 $\label{eq:condition} $$ \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 \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 $\label{eq:condition} $$ \023\02\125\123\061\025\060\023\006\003\125\004\012\023\014\104$ \003\125\004\013\023\020\167\167\167\056\144\151\147\151\143\145 \162\164\056\143\157\155\061\044\060\042\006\003\125\004\003\023 \033\104\151\147\151\103\145\162\164\040\101\163\163\165\162\145 \144\040\111\104\040\122\157\157\164\040\103\101\060\202\001\042 \060\015\006\011\052\206\110\206\367\015\001\001\001\005\000\003 \202\001\017\000\060\202\001\012\002\202\001\001\000\255\016\025 \316\344\103\200\134\261\207\363\267\140\371\161\022\245\256\334 \046\224\210\252\364\316\365\040\071\050\130\140\014\370\200\332

\251\025\225\062\141\074\265\261\050\204\212\212\334\237\012\014 \203\027\172\217\220\254\212\347\171\123\134\061\204\052\366\017 \230\062\066\166\314\336\335\074\250\242\357\152\373\041\362\122 \141\337\237\040\327\037\342\261\331\376\030\144\322\022\133\137 \371\130\030\065\274\107\315\241\066\371\153\177\324\260\070\076 \301\033\303\214\063\331\330\057\030\376\050\017\263\247\203\326 \303\156\104\300\141\065\226\026\376\131\234\213\166\155\327\361 \242\113\015\053\377\013\162\332\236\140\320\216\220\065\306\170 \125\207\040\241\317\345\155\012\310\111\174\061\230\063\154\042 \351\207\320\062\132\242\272\023\202\021\355\071\027\235\231\072 \162\241\346\372\244\331\325\027\061\165\256\205\175\042\256\077 $\label{eq:condition} $$ \001\106\206\366\050\171\310\261\332\344\127\027\304\176\034\016 $$$ \260\264\222\246\126\263\275\262\227\355\252\247\360\267\305\250 $\label{eq:condition} $$ \077\225\026\320\377\241\226\353\010\137\030\167\117\002\003\001 $$$ $\label{eq:condition} $$ \000\01\243\143\060\141\060\016\006\003\125\035\017\001\001\377 $$$ \004\004\003\002\001\206\060\017\006\003\125\035\023\001\001\377 $\\ \\004\\ \\005\\ \\060\\ \\003\\ \\001\\ \\001\\ \\001\\ \\377\\ \\060\\ \\035\\ \\006\\ \\003\\ \\125\\ \\035\\ \\016\\ \\004\\ \\026$ \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 $\label{eq:condition} $$ \026\200\024\105\353\242\257\364\222\313\202\061\055\121\213\247 $$$ \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
\label{eq:condition} $$ \005\143\270\143\015\142\327\132\273\310\253\036\113\337\265\250 $$
\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
\label{eq:condition} $$ \060\145\061\013\060\011\006\003\125\004\006\023\002\125\123\061\
\025\060\023\006\003\125\004\012\023\014\104\151\147\151\103\145
\162\164\040\111\156\143\061\031\060\027\006\003\125\004\013\023
\label{eq:condition} $$ \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

 $\label{eq:condition} $$ \000141\0013\006\0011\006\003\125\004\0023\002\125\123\061\025\006\0023\006\003\125\004\012\023\014\104\151\147\151\103\145\162\164\040\111\156\143\061\031\060\0027\006\003\125\004\0013\023\027\104\151\147\157\155\061\040\060\036\006\003\125\004\003\023\027\104\151\147\151\103\145\162\164\040\107\154\157\142\141\154\040\122\157\157\164\040\103\101$

END

CKA ID

UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

 $\label{eq:condition} $$ \000141\0013\006\0011\006\003\125\004\0006\023\002\125\123\061\025\006\0023\006\003\125\004\012\023\014\104\151\147\151\103\145\162\164\004\0111\156\143\061\031\060\027\006\003\125\004\0013\023\027\104\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 $\\ \\ \langle 040 \rangle 060 \rangle 036 \rangle 006 \rangle 003 \rangle 125 \rangle 004 \rangle 003 \rangle 023 \rangle 027 \rangle 104 \rangle 151 \rangle 147 \rangle 151 \rangle 103 \rangle 145 \rangle 104 \rangle 106 \rangle 106$ \162\164\040\107\154\157\142\141\154\040\122\157\157\164\040\103 \132\060\141\061\013\060\011\006\003\125\004\006\023\002\125\123 \061\025\060\023\006\003\125\004\012\023\014\104\151\147\151\103 \145\162\164\040\111\156\143\061\031\060\027\006\003\125\004\013 \023\020\167\167\167\056\144\151\147\151\143\145\162\164\056\143 \157\155\061\040\060\036\006\003\125\004\003\023\027\104\151\147 \151\103\145\162\164\040\107\154\157\142\141\154\040\122\157\157

\164\040\103\101\060\202\001\042\060\015\006\011\052\206\110\206 \367\015\001\001\001\005\000\003\202\001\017\000\060\202\001\012 $\label{eq:condition} $$ \002\202\001\000\342\073\341\021\162\336\250\244\323\243\127 $$$ \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 $\verb|236|036|225|175|356|267|110|243|010|332|326|257|172|014|071|006|$ $\label{eq:condition} $$ \frac{145}177\frac{135}037\frac{274}027\frac{370}253\frac{276}356050\frac{327}{164}\frac{177}{172}$$ \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 $\label{eq:condition} $$ \006\003\125\035\017\001\001\377\004\004\003\002\001\206\060\017 $$$ \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 $\label{eq:condition} $$ \frac{114\273\146\360\243\342\033\033\303\227\262\075\321\125\060\037}{262\075\321\125\060\037} $$$ \006\003\125\035\043\004\030\060\026\200\024\003\336\120\065\126 $\label{eq:condition} $$ \frac{321}{14}273\frac{46}{360}243\frac{342}{033}033\frac{303}{227}262\frac{075}{321}125\frac{060}{243}$ \015\006\011\052\206\110\206\367\015\001\001\005\005\000\003\202 \001\001\000\313\234\067\252\110\023\022\012\372\335\104\234\117 \122\260\364\337\256\004\365\171\171\010\243\044\030\374\113\053 \204\300\055\271\325\307\376\364\301\037\130\313\270\155\234\172 \164\347\230\051\253\021\265\343\160\240\241\315\114\210\231\223 $\label{eq:condition} $$ \frac{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 $\label{eq:condition} $$ \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

```
# 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
\label{eq:condition} $$ \020\167\167\167\056\144\151\147\151\143\145\162\164\056\143\157 $$
\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
\label{eq:condition} $$ \002\020\010\073\340\126\220\102\106\261\241\165\152\311\131\221 $$
\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
```

Trust for "DigiCert Global Root CA"

- # 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

 $\label{eq:condition} $$ \060\154\061\013\060\011\006\003\125\004\006\023\002\125\123\061 $$$

 $\label{eq:condition} $$ \025\06\003\006\003\125\004\012\023\014\104\151\147\151\103\145 $$$

\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

 $\label{eq:condition} $$ \frac{155 \cdot 061 \cdot 053 \cdot 060 \cdot 051 \cdot 006 \cdot 003 \cdot 125 \cdot 004 \cdot 003 \cdot 023 \cdot 042 \cdot 104 \cdot 151 \cdot 147 \cdot 151}{10000 \cdot 0000 \cdot 0000 \cdot 0000 \cdot 0000 \cdot 0000 \cdot 0000}$

\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

 $\label{eq:condition} $$ \00154\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\160\1031\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\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 \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 $\label{eq:condition} $$ \006\011\052\206\110\206\367\015\001\001\001\005\000\003\202\001 $$$ \017\000\060\202\001\012\002\202\001\001\000\306\314\345\163\346 $\label{eq:condition} $$ 373\324\273\345\055\055\062\246\337\345\201\077\311\315\045\111$ $\verb|\|266|161|052|303|325|224|064|147|242|012|034|260|137|151|246|100|$ \261\304\267\262\217\320\230\244\251\101\131\072\323\334\224\326 $\\ \begin{tabular}{l} $0.74\333\164\070\244\112\314\115\045\202\367\112\245\123\022\070\end{tabular}$ \356\363\111\155\161\221\176\143\266\253\246\137\303\244\204\370 \117\142\121\276\370\305\354\333\070\222\343\006\345\010\221\014 $\label{eq:condition} $$ 304\050\101\125\373\313\132\211\025\176\161\350\065\277\115\162$$ \011\075\276\072\070\120\133\167\061\033\215\263\307\044\105\232 \247\254\155\000\024\132\004\267\272\023\353\121\012\230\101\101 $\\ \\ \langle 042 \rangle 116 \rangle 145 \rangle 141 \rangle 207 \rangle 201 \rangle 101 \rangle 120 \rangle 246 \rangle 171 \rangle 134 \rangle 211 \rangle 336 \rangle 031 \rangle 112 \rangle 127 \rangle 127$ \325\056\346\135\034\123\054\176\230\315\032\006\026\244\150\163 \320\064\004\023\134\241\161\323\132\174\125\333\136\144\341\067 \021\174\047\146\267\210\267\170\362\312\012\250\070\253\012\144 \302\277\146\135\225\204\301\241\045\036\207\135\032\120\013\040 \022\314\101\273\156\013\121\070\270\113\313\002\003\001\000\001 \243\143\060\141\060\016\006\003\125\035\017\001\001\377\004\004 $\label{eq:condition} $$ \003\002\001\206\060\017\006\003\125\035\023\001\001\377\004\005 $$$ \060\003\001\001\377\060\035\006\003\125\035\016\004\026\004\024 \261\076\303\151\003\370\277\107\001\324\230\046\032\010\002\357 $\label{eq:condition} $$ 143\144\053\303\060\037\006\003\125\035\043\004\030\060\026\200 $$$ \024\261\076\303\151\003\370\277\107\001\324\230\046\032\010\002 \357\143\144\053\303\060\015\006\011\052\206\110\206\367\015\001 \001\005\005\000\003\202\001\001\000\034\032\006\227\334\327\234 \237\074\210\146\006\010\127\041\333\041\107\370\052\147\252\277 \030\062\166\100\020\127\301\212\363\172\331\021\145\216\065\372 \236\374\105\265\236\331\114\061\113\270\221\350\103\054\216\263 \170\316\333\343\123\171\161\326\345\041\224\001\332\125\207\232 \044\144\366\212\146\314\336\234\067\315\250\064\261\151\233\043 \310\236\170\042\053\160\103\343\125\107\061\141\031\357\130\305 \205\057\116\060\366\240\061\026\043\310\347\342\145\026\063\313 \277\032\033\240\075\370\312\136\213\061\213\140\010\211\055\014 $\label{eq:condition} $$ \006\134\122\267\304\371\012\230\321\025\137\237\022\276\174\066$$$ \143\070\275\104\244\177\344\046\053\012\304\227\151\015\351\214 $\label{eq:condition} $$ 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

 $\label{eq:condition} $$ \025\060\023\006\003\125\004\012\023\014\104\151\147\151\103\145$

 $\label{eq:condition} $$ 162\164\040\111\156\143\061\031\060\027\006\003\125\004\013\023$

 $\label{eq:condition} $$ \020\167\167\167\056\144\151\147\151\143\145\162\164\056\143\157$$

\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

 $\langle 045 \rangle 167$

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

 $\label{eq:condition} $$ \060\11\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

 $\label{eq:condition} $$ \frac{151}147\\156\\040\\101\\107\\061\\043\\060\\041\\006\\003\\125\\004\\003\\023$

 $\label{eq:condition} $$ \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\123

 $\label{eq:condition} $$ \frac{151}147\\156\\040\\101\\107\\061\\043\\060\\041\\006\\003\\125\\004\\003\\023$

 $\label{eq:condition} $$ \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

 $\label{eq:condition} $$ \000\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 \\ \060\132\027\015\063\066\061\060\062\065\060\070\063\066\060\060 \\ \132\060\11\061\013\060\011\006\003\125\004\006\023\002\103\110 \\ \end{3}$

\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\001\005\000\003 $\label{eq:condition} $$ \202\002\017\000\060\202\002\012\002\202\002\001\000\312\337\242 $$$ \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 $\label{eq:condition} $$ \040\212\105\107\206\142\170\206\326\040\071\046\364\256\243\375$$ \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 $\\ \langle 042 \rangle 342 \rangle 151 \rangle 137 \rangle 345 \rangle 005 \rangle 170 \rangle 324 \rangle 207 \rangle 331 \rangle 161 \rangle 160 \rangle 063 \rangle 045 \rangle 123 \rangle 264$ \207\073\051\220\050\066\232\125\104\060\150\244\203\227\177\015 $\label{eq:condition} $$ \036\234\166\377\025\235\140\227\000\215\212\205\003\354\200\276$ $\label{eq:condition} $$352\054\156\020\121\222\314\176\325\243\063\330\326\111\336\130$$ \052\257\366\026\353\113\173\220\062\227\271\272\235\130\361\370 \127\111\004\036\242\135\006\160\335\161\333\371\335\213\232\033 \214\317\075\243\115\316\313\174\366\273\234\240\372\011\316\043 \142\262\351\015\037\342\162\050\217\237\254\150\040\175\157\073 \250\205\061\011\177\013\307\350\145\351\343\170\016\011\147\060 \213\064\202\373\135\340\314\235\201\155\142\356\010\036\004\054 \116\233\354\376\251\117\137\375\151\170\357\011\037\241\264\277 \372\363\357\220\036\114\005\213\036\352\172\221\172\303\327\345 \373\060\274\154\033\020\130\230\367\032\137\320\051\062\003\023 \106\115\141\152\205\114\122\164\057\006\037\173\021\342\204\227 \306\231\363\155\177\327\147\203\176\023\150\330\161\050\132\330 \316\335\350\020\024\232\376\155\043\207\156\216\132\160\074\325 \215\011\000\247\252\274\260\061\067\155\310\204\024\036\133\275 \105\143\040\153\113\164\214\275\333\072\016\301\317\132\026\217 \245\230\362\166\211\262\023\022\073\013\167\167\254\273\345\074 $\label{eq:condition} $$ \051\12\222\162\312\141\032\053\136\114\342\203\164\167\372\065 $$$ \110\172\205\115\215\232\123\304\337\170\312\227\221\110\053\105 \053\001\367\034\032\242\355\030\272\012\275\203\372\157\274\215 \127\223\073\324\324\246\316\036\361\240\261\316\253\375\053\050 \232\117\033\327\303\162\333\244\304\277\135\114\365\335\173\226 \151\356\150\200\346\347\230\272\066\267\376\156\355\053\275\040 \370\145\031\332\125\011\176\045\334\376\141\142\162\371\176\030 $\label{eq:condition} $$ \002\357\143\264\320\373\257\345\073\143\214\147\217\002\003\001 $$$ $\label{eq:condition} $$ \000\001\243\201\254\060\201\251\060\016\006\003\125\035\017\001 $$$ \001\377\004\005\060\003\001\001\377\060\035\006\003\125\035\016 \004\026\004\024\120\257\314\007\207\025\107\157\070\305\264\145 \321\336\225\252\351\337\234\314\060\037\006\003\125\035\043\004 \030\060\026\200\024\120\257\314\007\207\025\107\157\070\305\264 \145\321\336\225\252\351\337\234\314\060\106\006\003\125\035\040 \004\077\060\075\060\073\006\011\140\205\164\001\131\001\001 $\label{eq:condition} $$ \001\060\056\060\054\006\010\053\006\001\005\005\007\002\001\026$ $\\ \\ 040\\ \\ 150\\ \\ 164\\ \\ 160\\ \\ 072\\ \\ 057\\ \\ 057\\ \\ 162\\ \\ 145\\ \\ 160\\ \\ 157\\ \\ 163\\ \\ 151\\ \\ 164\\ \\ 157\\ \\ 164\\ \\ 157\\ \\ 160\\ \\ 157\\ \\ 163\\ \\ 151\\ \\ 164\\ \\ 157\\ \\ 164\\ \\ 157\\ \\ 163\\ \\ 151\\ \\ 164\\ \\ 157\\ \\ 163\\ \\ 151\\ \\ 164\\ \\ 157\\ \\ 163\\ \\ 151\\ \\ 164\\ \\ 157\\ \\ 163\\ \\ 151\\ \\ 164\\ \\ 157\\ \\ 163\\ \\ 151\\ \\ 164\\ \\ 157\\ \\ 163\\ \\ 151\\ \\ 164\\ \\ 157\\ \\ 163\\ \\ 151\\ \\ 164\\ \\ 157\\ \\ 163\\ \\ 151\\ \\ 164\\ \\ 157\\ \\ 163\\ \\ 151\\ \\ 164\\ \\ 157\\ \\ 163\\ \\ 151\\ \\ 164\\ \\ 157\\ \\ 163\\ \\ 151$

\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\010\205\246\365\026\014\374\104\032\301\143 $\label{eq:condition} $$ 340\371\125\106\010\374\160\034\102\050\226\216\267\305\301\101$ \165\116\011\161\171\345\155\226\312\113\245\210\140\320\060\164 \270\312\010\334\264\060\236\100\007\026\153\145\225\167\001\256 \244\267\065\013\201\332\161\025\251\164\027\070\173\130\312\371 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \056\243\073\374\051\135\213\301\113\311\342\212\023\035\261\277$ \273\102\035\122\335\116\330\024\136\020\306\061\007\357\161\047 \367\033\071\011\334\202\352\213\263\225\206\136\375\365\332\135 \061\246\340\061\266\224\346\104\111\164\305\026\345\367\037\003 \141\050\305\310\313\022\240\102\113\371\153\210\010\215\264\062 \030\363\165\237\304\177\000\117\005\225\234\243\027\002\303\263 \123\233\252\040\071\051\053\146\372\235\257\136\263\222\322\265 \246\341\032\371\055\101\151\201\024\264\264\265\355\211\075\316 \373\251\235\065\102\104\261\034\024\163\201\317\052\001\065\232 $\label{eq:condition} $$ \051\325\055\217\155\204\337\200\115\127\343\077\305\204\165\332 $$$ \211\306\060\273\353\217\313\042\010\240\256\252\361\003\154\072 \256\166\012\174\014\007\160\144\371\232\057\366\005\071\046\306 \014\217\031\177\103\136\156\364\133\025\057\333\141\135\346\147 $\label{eq:condition} $$ \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

```
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
\label{eq:condition} $$ \032\123\167\151\163\163\123\151\147\156\040\120\154\141\164\151
\156\165\155\040\103\101\040\055\040\107\062
END
CKA_SERIAL_NUMBER
MULTILINE OCTAL
\label{eq:condition} $$ \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"
```

Fingerprint (SHA-256):

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509 CKA_SUBJECT MULTILINE_OCTAL

 $\label{eq:condition} $$ \00105\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\107\157\154\144\040\103\101\040\055\040\107\062$

END

CKA ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

 $\label{eq:condition} $$ \00105\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\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 $\label{eq:condition} $$ \367\015\001\001\005\005\000\060\105\061\013\060\011\006\003\125$$ \004\006\023\002\103\110\061\025\060\023\006\003\125\004\012\023 $\label{eq:condition} $$ \014\123\167\151\163\163\123\151\147\156\040\101\107\061\037\060$$$ \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 $\label{eq:condition} $$ \003\004\012\023\014\123\167\151\163\163\123\151\147 $$$ \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 $\label{eq:condition} $$ \000\243\107\307\006\247\204\043\053\273\275\226\053\177\125\314$$ \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 $\label{eq:condition} $$ \060\067\220\052\344\236\024\063\136\026\027\125\305\133\265\313$ \064\211\222\361\235\046\217\241\007\324\306\262\170\120\333\014 \014\013\174\013\214\101\327\271\351\335\214\210\367\243\115\262 $\label{eq:condition} $$ \062\314\330\027\332\315\267\316\146\235\324\375\136\377\275\227 $$$ \076\051\165\347\176\247\142\130\257\045\064\245\101\307\075\274 $\label{eq:condition} $$ \015\120\312\003\003\017\010\132\037\225\163\170\142\277\257\162$ $\label{eq:condition} $$ \024\151\016\245\345\003\016\170\216\046\050\102\360\007\013\142 $$$ \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 $\label{eq:condition} $$ \034\214\046\332\145\242\011\155\301\342\124\343\271\312\114\114$ \200\217\167\173\140\232\036\337\266\362\110\036\016\272\116\124 \155\230\340\341\242\032\242\167\120\317\304\143\222\354\107\031 \235\353\346\153\316\301\002\003\001\000\001\243\201\254\060\201 \251\060\016\006\003\125\035\017\001\001\377\004\004\003\002\001 \006\060\017\006\003\125\035\023\001\001\377\004\005\060\003\001 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \011\140\205\164\001\131\001\002\001\001\060\056\060\054\006\010 $$$ $\label{eq:condition} $$ \0.051\0.05\0.05\0.05\0.001\0.02\0.01\0.026\0.40\1.50\1.64\1.64\1.64\0.072\0.57$ \057\162\145\160\157\163\151\164\157\162\171\056\163\167\151\163 $\label{eq:condition} $$ 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 $\label{eq:condition} $$ \036\364\270\053\210\022\026\204\302\061\223\070\226\061\246\271 $$$ $\label{eq:condition} $$ \073\123\077\303\044\223\126\133\151\222\354\305\301\273\070\000 $$$ \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 \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 $\verb|255|222|244|044|240|301|206|265|112|023|152|107|317|056|013|126|$ \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 $\label{eq:condition} $$ 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

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\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
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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 "SwissSign Silver CA - G2"
# Issuer: CN=SwissSign Silver CA - G2,O=SwissSign AG,C=CH
# Serial Number:4f:1b:d4:2f:54:bb:2f:4b
# Subject: CN=SwissSign Silver CA - G2,O=SwissSign AG,C=CH
# Not Valid Before: Wed Oct 25 08:32:46 2006
# Not Valid After: Sat Oct 25 08:32:46 2036
# Fingerprint (SHA-256):
BE:6C:4D:A2:BB:B9:BA:59:B6:F3:93:97:68:37:42:46:C3:C0:05:99:3F:A9:8F:02:0D:1D:ED:BE:D4:8A:81:D5
# Fingerprint (SHA1): 9B:AA:E5:9F:56:EE:21:CB:43:5A:BE:25:93:DF:A7:F0:40:D1:1D:CB
CKA CLASS
CK_OBJECT_CLASS CKO_CERTIFICATE
CKA TOKEN CK BBOOL CK TRUE
CKA PRIVATE CK BBOOL CK FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA LABEL UTF8 "SwissSign Silver CA - G2"
CKA CERTIFICATE TYPE CK CERTIFICATE TYPE CKC X 509
CKA_SUBJECT MULTILINE_OCTAL
\060\107\061\013\060\011\006\003\125\004\006\023\002\103\110\061
\025\060\023\006\003\125\004\012\023\014\123\167\151\163\163\123
\151\147\156\040\101\107\061\041\060\037\006\003\125\004\003\023
\030\123\167\151\163\163\123\151\147\156\040\123\151\154\166\145
\162\040\103\101\040\055\040\107\062
END
CKA ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\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
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CKA VALUE MULTILINE OCTAL

\060\202\005\275\060\202\003\245\240\003\002\001\002\002\010\117 \033\324\057\124\273\057\113\060\015\006\011\052\206\110\206\367 \015\001\001\005\005\000\060\107\061\013\060\011\006\003\125\004 \006\023\002\103\110\061\025\060\023\006\003\125\004\012\023\014 \123\167\151\163\163\123\151\147\156\040\101\107\061\041\060\037 \006\003\125\004\003\023\030\123\167\151\163\163\123\151\147\156 \040\123\151\154\166\145\162\040\103\101\040\055\040\107\062\060 $\label{eq:condition} $$ \0.036\0.027\0.015\0.060\0.060\0.062\0.065\0.060\0.070\0.063\0.062\0.064\0.066\0.032$ \027\015\063\066\061\060\062\065\060\070\063\062\064\066\132\060 \107\061\013\060\011\006\003\125\004\006\023\002\103\110\061\025 \147\156\040\101\107\061\041\060\037\006\003\125\004\003\023\030 $\label{eq:condition} $$ \040\103\101\040\055\040\107\062\060\202\002\042\060\015\006\011 $$$ \052\206\110\206\367\015\001\001\001\005\000\003\202\002\017\000 $\label{eq:condition} $$ \000\202\002\002\000\000\304\361\207\177\323\170\061 $$$ \367\070\311\370\303\231\103\274\307\367\274\067\347\116\161\272 \113\217\245\163\035\134\156\230\256\003\127\256\070\067\103\057 $\label{eq:condition} $$ \027\075\037\310\316\150\020\301\170\256\031\003\053\020\372\054$$$ \171\203\366\350\271\150\271\125\362\004\104\247\071\371\374\004 \213\036\361\242\115\047\371\141\173\272\267\345\242\023\266\353 $\label{eq:condition} $$ 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 $\\ 147 \\ 273 \\ 110 \\ 344 \\ 203 \\ 266 \\ 067 \\ 353 \\ 110 \\ 072 \\ 257 \\ 017 \\ 147 \\ 217 \\ 027 \\ 00$ \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 $\label{eq:condition} $$ \062\200\140\263\223\300\052\266\030\013\235\176\215\111\362\020 $$$ $\label{eq:condition} $$ \frac{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 \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 $\label{eq:condition} $$ \000\073\006\011\140\205\164\001\131\001\003\001\001\000\056\060 $$$ \054\006\010\053\006\001\005\005\007\002\001\026\040\150\164\164 $\label{eq:condition} $$ 160\072\057\057\162\145\160\157\163\151\164\157\162\171\056\163$$ \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 $\label{eq:condition} $$ \000\163\306\201\340\047\322\055\017\340\225\060\342\232\101\177$ $\label{eq:condition} $$ \frac{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 $\label{eq:condition} $$ 304\052\331\327\037\162\356\376\121\241\042\101\261\161\002\143$ \032\202\260\142\253\136\127\022\037\337\313\335\165\240\300\135 \171\220\214\033\340\120\346\336\061\376\230\173\160\137\245\220 $\label{eq:condition} $$ 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 $\label{eq:condition} $$ \037\113\360\161\376\343\147\162\240\261\277\134\213\344\372\231 $$$ \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 $\label{eq:condition} $$ \frac{311\155\251\014\014\170\252\140\306\126\217\001\132\014\150\274}{217\001\132\014\150\274} $$$ \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 $\label{eq:condition} $$ 106\033\205\220\257\145\265\325\261\344\026\133\170\165\035\227 $$$ \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 $\label{eq:condition} $$ 164\013\152\376\013\003\374\243\125\127\211\376\112\313\256\133$ \027\005\310\362\215\043\061\123\070\322\055\152\077\202\271\215 \010\152\367\136\101\164\156\303\021\176\007\254\051\140\221\077 $\label{eq:condition} $$ \070\312\127\020\015\275\060\057\307\245\346\101\240\332\256\005 $$$ $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \036\354\344\012\273\052\114\353\011\140\071\316\312\142\330\056$$ \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
\label{eq:condition} $$ \060\107\061\013\060\011\006\003\125\004\006\023\002\103\110\061\
\025\060\023\006\003\125\004\012\023\014\123\167\151\163\163\123
\151\147\156\040\101\107\061\041\060\037\006\003\125\004\003\023
\label{eq:condition} $$ \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

 $\label{eq:condition} $$ \000110061013\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

 $\label{eq:condition} $$ \000110061013\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

 $\label{eq:condition} $$ \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\002\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 $\label{eq:condition} $$ \027\060\025\006\003\125\004\003\023\016\123\145\143\165\162\145$ \124\162\165\163\164\040\103\101\060\036\027\015\060\066\061\061 \060\067\061\071\063\061\061\070\132\027\015\062\071\061\062\063 $\label{eq:condition} $$ \061\061\071\064\060\065\065\132\060\110\061\013\060\011\006\003$ \125\004\006\023\002\125\123\061\040\060\036\006\003\125\004\012 \023\027\123\145\143\165\162\145\124\162\165\163\164\040\103\157 \162\160\157\162\141\164\151\157\156\061\027\060\025\006\003\125 \004\003\023\016\123\145\143\165\162\145\124\162\165\163\164\040 \103\101\060\202\001\042\060\015\006\011\052\206\110\206\367\015 \001\001\001\005\000\003\202\001\017\000\060\202\001\012\002\202

\001\001\000\253\244\201\345\225\315\365\366\024\216\302\117\312 \324\342\170\225\130\234\101\341\015\231\100\044\027\071\221\063 \146\351\276\341\203\257\142\134\211\321\374\044\133\141\263\340 \021\021\101\034\035\156\360\270\273\370\336\247\201\272\246\110 \306\237\035\275\276\216\251\101\076\270\224\355\051\032\324\216 \322\003\035\003\357\155\015\147\034\127\327\006\255\312\310\365 \376\016\257\146\045\110\004\226\013\135\243\272\026\303\010\117 \321\106\370\024\134\362\310\136\001\231\155\375\210\314\206\250 $\label{eq:condition} $$ 301\157\061\102\154\122\076\150\313\363\031\064\337\273\207\030 $$$ \126\200\046\304\320\334\300\157\337\336\240\302\221\026\240\144 $\label{eq:condition} $$ \021\113\104\274\036\366\347\372\143\336\146\254\166\244\161\243$ $\label{eq:condition} $$ \frac{354 \cdot 066 \cdot 224 \cdot 150 \cdot 172 \cdot 167 \cdot 244 \cdot 261 \cdot 347 \cdot 016 \cdot 057 \cdot 201 \cdot 172 \cdot 342 \cdot 265 \cdot 162}{347 \cdot 016 \cdot 057 \cdot 201 \cdot 172 \cdot 342 \cdot 265 \cdot 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 $\label{eq:condition} $$ \000\017\006\003\125\035\023\001\001\377\004\005\060\003\001\001 $$$ \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 $\label{eq:condition} $$ \060\064\006\003\125\035\037\004\055\060\053\060\051\240\047\240\$ \045\206\043\150\164\164\160\072\057\057\143\162\154\056\163\145 \143\165\162\145\164\162\165\163\164\056\143\157\155\057\123\124 \103\101\056\143\162\154\060\020\006\011\053\006\001\004\001\202 \067\025\001\004\003\002\001\000\060\015\006\011\052\206\110\206 $\label{eq:condition} $$ \367\015\001\001\000\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 $\verb|\|262|224|005|024|256|111|307|215|101|007|022|163|224|176|014|043|$ \041\375\274\020\177\140\020\132\162\365\230\016\254\354\271\177 \335\172\157\135\323\034\364\377\210\005\151\102\251\005\161\310 \267\254\046\350\056\264\214\152\377\161\334\270\261\337\231\274 \174\041\124\053\344\130\242\273\127\051\256\236\251\243\031\046 \017\231\056\010\260\357\375\151\317\231\032\011\215\343\247\237 \053\311\066\064\173\044\263\170\114\225\027\244\006\046\036\266 \144\122\066\137\140\147\331\234\305\005\164\013\347\147\043\322 $\label{eq:condition} $$ \010\374\210\351\256\213\177\341\060\364\067\176\375\306\062\332 $$$ $\begin{tabular}{l} $$ \055\236\104\060\060\154\356\007\336\322\064\374\322\377\100\366 \end{tabular}$ \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

```
# 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
\label{eq:local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_
\156\061\027\060\025\006\003\125\004\003\023\016\123\145\143\165
\162\145\124\162\165\163\164\040\103\101
END
CKA SERIAL NUMBER MULTILINE OCTAL
\002\020\014\360\216\134\010\026\245\255\102\177\360\353\047\030
\131\320
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA TRUST EMAIL PROTECTION CK TRUST CKT NSS MUST VERIFY TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
# Certificate "Secure Global CA"
# Issuer: CN=Secure Global CA,O=SecureTrust Corporation,C=US
# Serial Number:07:56:22:a4:e8:d4:8a:89:4d:f4:13:c8:f0:f8:ea:a5
# Subject: CN=Secure Global CA,O=SecureTrust Corporation,C=US
# Not Valid
```

Before: Tue Nov 07 19:42:28 2006

Not Valid After: Mon Dec 31 19:52:06 2029

Fingerprint (SHA-256):

42:00:F5:04:3A:C8:59:0E:BB:52:7D:20:9E:D1:50:30:29:FB:CB:D4:1C:A1:B5:06:EC:27:F1:5A:DE:7D:AC:69

Fingerprint (SHA1): 3A:44:73:5A:E5:81:90:1F:24:86:61:46:1E:3B:9C:C4:5F:F5:3A:1B

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE

CKA TOKEN CK BBOOL CK TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA LABEL UTF8 "Secure Global CA"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL

\162\145\040\107\154\157\142\141\154\040\103\101 END

CKA ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

 $\label{eq:condition} $$ \000112\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

 $\label{eq:condition} $$ \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\002\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 $\label{eq:condition} $$ \031\060\027\006\003\125\004\003\023\020\123\145\143\165\162\145$$ \040\107\154\157\142\141\154\040\103\101\060\036\027\015\060\066 \061\061\060\067\061\071\064\062\062\070\132\027\015\062\071\061 \062\063\061\061\071\065\062\060\066\132\060\112\061\013\060\011 \006\003\125\004\006\023\002\125\123\061\040\060\036\006\003\125 \004\012\023\027\123\145\143\165\162\145\124\162\165\163\164\040 \103\157\162\160\157\162\141\164\151\157\156\061\031\060\027\006 \003\125\004\003\023\020\123\145\143\165\162\145\040\107\154\157 \142\141\154\040\103\101\060\202\001\042\060\015\006\011\052\206 \110\206\367\015\001\001\001\005\000\003\202\001\017\000\060\202

\001\012\002\202\001\001\000\257\065\056\330\254\154\125\151\006 \161\345\023\150\044\263\117\330\314\041\107\370\361\140\070\211 \211\003\351\275\352\136\106\123\011\334\134\365\132\350\367\105 $\label{eq:condition} $$ \052\002\353\061\141\327\051\063\114\316\307\174\012\067\176\017 $$$ \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 $\label{eq:condition} $$ \216\036\244\137\220\322\147\074\262\331\376\101\271\125\247\011 $$$ $\label{eq:condition} $$ \216\162\005\036\213\335\104\205\202\102\320\111\300\035\140\360 $$$ \321\027\054\225\353\366\245\301\222\243\305\302\247\010\140\015 $\label{eq:condition} $$ 140\004\020\226\171\236\026\064\346\251\266\372\045\105\071\310 $$$ $\label{eq:condition} $$ \036\145\371\223\365\252\361\122\334\231\230\075\245\206\032\014$ \065\063\372\113\245\004\006\025\034\061\200\357\252\030\153\302 \173\327\332\316\371\063\040\325\365\275\152\063\055\201\004\373 \260\134\324\234\243\342\134\035\343\251\102\165\136\173\324\167 \357\071\124\272\311\012\030\033\022\231\111\057\210\113\375\120 \142\321\163\347\217\172\103\002\003\001\000\001\243\201\235\060 \201\232\060\023\006\011\053\006\001\004\001\202\067\024\002\004 \006\036\004\000\103\000\101\060\013\006\003\125\035\017\004\004 $\label{eq:condition} $$ \003\002\001\206\060\017\006\003\125\035\023\001\001\377\004\005 $$$ \060\003\001\001\377\060\035\006\003\125\035\016\004\026\004\024 \257\104\004\302\101\176\110\203\333\116\071\002\354\354\204\172 \051\240\047\240\045\206\043\150\164\164\160\072\057\057\143\162 \154\056\163\145\143\165\162\145\164\162\165\163\164\056\143\157 \155\057\123\107\103\101\056\143\162\154\060\020\006\011\053\006 \001\004\001\202\067\025\001\004\003\002\001\000\060\015\006\011 \052\206\110\206\367\015\001\001\005\005\000\003\202\001\001\000 \143\032\010\100\175\244\136\123\015\167\330\172\256\037\015\013 \121\026\003\357\030\174\310\343\257\152\130\223\024\140\221\262 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \210\321\072\051\060\204\316\322\071\200\142\033\250\307\127\111 $$$ \274\152\125\121\147\025\112\276\065\007\344\325\165\230\067\171 \060\024\333\051\235\154\305\151\314\107\125\242\060\367\314\134 \177\302\303\230\034\153\116\026\200\353\172\170\145\105\242\000 \032\257\014\015\125\144\064\110\270\222\271\361\264\120\051\362 \117\043\037\332\154\254\037\104\341\335\043\170\121\133\307\026 **END**

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_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
\label{eq:local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_
\156\061\031\060\027\006\003\125\004\003\023\020\123\145\143\165
\162\145\040\107\154\157\142\141\154\040\103\101
END
CKA SERIAL NUMBER MULTILINE OCTAL
\002\020\007\126\042\244\350\324\212\211\115\364\023\310\360\370
\352\245
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA TRUST EMAIL PROTECTION CK TRUST CKT NSS TRUSTED DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
# Certificate "COMODO Certification Authority"
#
 Issuer: CN=COMODO Certification Authority,O=COMODO CA Limited,L=Salford,ST=Greater
Manchester, C=GB
# Serial Number:4e:81:2d:8a:82:65:e0:0b:02:ee:3e:35:02:46:e5:3d
# Subject: CN=COMODO Certification Authority,O=COMODO CA Limited,L=Salford,ST=Greater
```

Manchester, C=GB

Not Valid Before: Fri Dec 01 00:00:00 2006

Not Valid After: Mon Dec 31 23:59:59 2029

Fingerprint (SHA-256):

0C:2C:D6:3D:F7:80:6F:A3:99:ED:E8:09:11:6B:57:5B:F8:79:89:F0:65:18:F9:80:8C:86:05:03:17:8B:AF:66

Fingerprint (SHA1): 66:31:BF:9E:F7:4F:9E:B6:C9:D5:A6:0C:BA:6A:BE:D1:F7:BD:EF:7B

CKA CLASS CK OBJECT CLASS CKO CERTIFICATE

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA MODIFIABLE CK BBOOL CK FALSE

CKA_LABEL UTF8 "COMODO Certification Authority"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA SUBJECT MULTILINE OCTAL

 $\label{eq:condition} $$ \060\201\201\061\013\060\011\006\003\125\004\006\023\002\107\102$

\145\162\040\115\141\156\143\150\145\163\164\145\162\061\020\060

 $\label{eq:condition} $$ \006\003\125\004\007\023\007\123\141\154\146\157\162\144\061 $$$

 $\label{eq:condition} $$ \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

 $\label{eq:condition} $$ \003\125\004\003\023\036\103\117\115\117\104\117\040\103\145\162$$

\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

 $\label{eq:condition} $$ \000\201\201\006\003\1006\003\125\0004\0003\125\0004\0006\0023\002\107\102\006\003\1006\003\125\0004\001\0023\002\107\162\145\141\164\156\143\150\145\163\164\145\162\061\0020\060\003\125\0004\0007\023\0007\123\141\154\146\157\162\144\061\032\060\003\125\0004\0012\0223\021\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

 $\label{eq:condition} $$ \000\202\004\035\060\202\003\005\240\003\002\001\002\002\020\116 $$ \201\055\212\202\145\340\013\002\356\076\065\002\106\345\075\060 $$ \015\006\011\052\206\110\206\367\015\001\001\005\0005\000\060\201 $$ \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 $\label{eq:condition} $$ 107\102\061\033\060\031\006\003\125\004\010\023\022\107\162\145 $$$ \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 $\label{eq:condition} $$ 144\061\032\060\030\006\003\125\004\012\023\021\103\117\115\117$ \104\117\040\103\101\040\114\151\155\151\164\145\144\061\047\060 $\\ \\045\\ \\006\\ \\003\\ \\125\\ \\004\\ \\003\\ \\023\\ \\036\\ \\103\\ \\117\\ \\115\\ \\117\\ \\104\\ \\117\\ \\040\\ \\103$ \150\157\162\151\164\171\060\202\001\042\060\015\006\011\052\206 \110\206\367\015\001\001\001\005\000\003\202\001\017\000\060\202 \001\012\002\202\001\001\000\320\100\213\213\162\343\221\033\367 \121\301\033\124\004\230\323\251\277\301\346\212\135\073\207\373 \273\210\316\015\343\057\077\006\226\360\242\051\120\231\256\333 \073\241\127\260\164\121\161\315\355\102\221\115\101\376\251\310 \330\152\206\167\104\273\131\146\227\120\136\264\324\054\160\104 $\label{eq:condition} $$ \frac{317}{332} \frac{067}{225} \frac{102}{151} \frac{074}{060} \frac{304}{161} \frac{263}{122} \frac{360}{041} \frac{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 \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 $\label{eq:condition} $$ \006\000\17\006\003\125\035\023\001\001\377\004\005\060\003\001 $$$ $\label{eq:condition} $$ \001\377\060\111\006\003\125\035\037\004\102\060\100\060\076\240 $$$ $\\ \\ \sqrt{074} \\ 240 \\ \sqrt{072} \\ 206 \\ \sqrt{070} \\ 150 \\ 164 \\ 164 \\ 160 \\ \sqrt{072} \\ \sqrt{057} \\ \sqrt{143} \\ 162 \\ \sqrt{154} \\ \sqrt{056} \\ \sqrt{154} \\$ \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 $\label{eq:condition} $$ \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

 $\label{eq:control} $$ \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"

 ${\tt\#\,Issuer:\,CN=COMODO\,\,Certification\,\,Authority,O=COMODO\,\,CA\,\,Limited,L=Salford,ST=Greater}$

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

 $\\ 146 \\ 161 \\ 277 \\ 236 \\ 367 \\ 117 \\ 236 \\ 266 \\ 311 \\ 325 \\ 246 \\ 014 \\ 272 \\ 152 \\ 276 \\ 321 \\$

\367\275\357\173

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

CKA_ISSUER MULTILINE_OCTAL

\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 \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 $\label{eq:condition} $$ 103\056\061\060\060\056\006\003\125\004\003\023\047\116\145\164 $$$ \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

\103\056\061\060\066\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

 $\label{eq:condition} $$ \060\202\003\346\060\202\002\316\240\003\002\001\002\002\002\127 $$$ \313\063\157\302\134\026\346\107\026\027\343\220\061\150\340\060 $\label{eq:condition} $$ \0.015\0.06\0.01\0.05\0.005\0.0000\0.000\0.000\0.0000\0.000\0.0000\0.0000\0.0000\0.0000\0.0000\0.0000\0.0000\0.0000\0.$ \037\006\003\125\004\012\023\030\116\145\164\167\157\162\153\040 \123\157\154\165\164\151\157\156\163\040\114\056\114\056\103\056 \061\060\060\056\006\003\125\004\003\023\047\116\145\164\167\157 \162\153\040\123\157\154\165\164\151\157\156\163\040\103\145\162 \164\171\060\036\027\015\060\066\061\062\060\061\060\060\060 \060\060\132\027\015\062\071\061\062\063\061\062\063\065\071\065 $\label{eq:condition} $$ \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 \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 $\label{eq:condition} $$ \040\103\145\162\164\151\146\151\143\141\164\145\040\101\165\164$$$ \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 $\label{eq:condition} $$ \001\012\02\202\001\001\000\344\274\176\222\060\155\306\330\216 $$$ \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 $\label{eq:condition} $$ \031\256\223\141\226\104\025\323\162\260\077\274\152\175\354\110 $$$ \177\215\303\253\252\161\053\123\151\101\123\064\265\260\271\305 $\label{eq:condition} $$ \006\012\304\260\105\365\101\135\156\211\105\173\075\073\046\214 $$$ \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 \114\060\016\006\003\125\035\017\001\001\377\004\004\003\002\001 $\label{eq:condition} $$ \006\000\17\006\003\125\035\023\001\001\377\004\005\060\003\001 $$$ $\label{eq:condition} $$ \001\377\060\122\006\003\125\035\037\004\113\060\111\060\107\240 $$$ \105\240\103\206\101\150\164\164\160\072\057\057\143\162\154\056 \164\167\157\162\153\123\157\154\165\164\151\157\156\163\103\145 \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 $\label{eq:condition} $$ \056\044\137\313\130\017\353\050\354\257\021\226\363\334\173\157 $$$ \300\247\210\362\123\167\263\140\136\256\256\050\332\065\054\157 $\\ \\064\\105\\323\\046\\341\\336\\354\\133\\117\\047\\153\\026\\174\\275\\104\\004$ $\label{eq:condition} $$ \030\202\263\211\171\027\020\161\075\172\242\026\116\365\001\315$$ \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"
```

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

[#] 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):

```
\164\370\243\303\357\347\263\220\006\113\203\220\074\041\144\140
\040\345\337\316
END
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
\label{eq:condition} $$ \060\142\061\013\060\011\006\003\125\004\006\023\002\125\123\061 $$
\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
\label{eq:condition} $$ 103\056\061\060\060\056\006\003\125\004\003\023\047\116\145\164 $$
\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\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
```

 $\label{eq:continuous} $$ \frac{145\\162\\040\\115\\141\\156\\143\\150\\145\\163\\164\\145\\162\\061\\020\\060\\03\\125\\004\\007\\023\\007\\123\\141\\154\\146\\157\\162\\144\\061\\053\\060\\051\\1006\\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\\115\\1165\\164\\151\\146\\151\\146\\171$

END

CKA ID UTF8 "0"

CKA ISSUER MULTILINE OCTAL

 $\label{eq:condition} $$ \000\201\205\061\013\060\011\006\003\125\004\010\023\022\107\162\145\141\164\145\162\060\031\25\004\010\125\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 $\label{eq:condition} $$ 107\257\252\142\000\160\120\124\114\001\236\233\143\231\052\060$$ \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 $\label{eq:condition} $$ \003\125\004\010\023\022\107\162\145\141\164\145\162\040\115\141 $$$ \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 $\label{eq:condition} $$ \060\060\061\060\061\061\070\062\063\065\071 $$$ \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 $\label{eq:condition} $$ \026\324\253\142\231\365\076\122\013\006\316\101\000\177\227\341 $$$ $\label{eq:condition} $$ \001\004\356\075\322\215\011\227\014\340\165\344 $$$ \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 $\label{eq:condition} $$ \004\024\165\161\247\031\110\031\274\235\235\352\101\107\337\224 $$$ \304\110\167\231\323\171\060\016\006\003\125\035\017\001\001\377 $\label{eq:condition} $$ \004\004\003\002\001\006\060\017\006\003\125\035\023\001\001\377 $$$ $\label{eq:condition} $$ \004\005\060\003\001\001\377\060\012\006\010\052\206\110\316\075$$$ \004\003\003\003\150\000\060\145\002\061\000\357\003\133\172\254 \267\170\012\162\267\210\337\377\265\106\024\011\012\372\240\346 \175\010\306\032\207\275\030\250\163\275\046\312\140\014\235\316 \231\237\317\134\017\060\341\276\024\061\352\002\060\024\364\223 $\label{eq:condition} $$ \074\111\247\063\172\220\106\107\263\143\175\023\233\116\267\157 $$$ \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

 $\label{eq:condition} $$ 174\142\377\164\235\061\123\136\150\112\325\170\252\036\277\043 $$$

```
END
CKA ISSUER MULTILINE OCTAL
\060\201\205\061\013\060\011\006\003\125\004\006\023\002\107\102
\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
\\ \\ \langle 040 \rangle 103 \rangle 101 \rangle 040 \rangle 114 \rangle 151 \rangle 155 \rangle 151 \rangle 164 \rangle 145 \rangle 144 \rangle 061 \rangle 053 \rangle 060 \rangle 051 \rangle 006
\003\125\004\003\023\042\103\117\115\117\104\117\040\105\103\103
\040\103\145\162\164\151\146\151\143\141\164\151\157\156\040\101
\165\164\150\157\162\151\164\171
END
CKA SERIAL NUMBER MULTILINE OCTAL
\002\020\037\107\257\252\142\000\160\120\124\114\001\236\233\143
\231\052
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA TRUST EMAIL PROTECTION
CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA TRUST STEP UP APPROVED CK BBOOL CK FALSE
# Certificate "OISTE WISeKey Global Root GA CA"
# Issuer: CN=OISTE WISeKey Global Root GA CA,OU=OISTE Foundation Endorsed,OU=Copyright (c)
2005,O=WISeKey,C=CH
# Serial Number:41:3d:72:c7:f4:6b:1f:81:43:7d:f1:d2:28:54:df:9a
# Subject: CN=OISTE WISeKey Global Root GA CA,OU=OISTE Foundation Endorsed,OU=Copyright (c)
2005,O=WISeKey,C=CH
# Not Valid Before: Sun Dec 11 16:03:44 2005
# Not Valid After: Fri Dec 11 16:09:51 2037
# Fingerprint (SHA-256):
41:C9:23:86:6A:B4:CA:D6:B7:AD:57:80:81:58:2E:02:07:97:A6:CB:DF:4F:FF:78:CE:83:96:B3:89:37:D7:F5
# Fingerprint (SHA1): 59:22:A1:E1:5A:EA:16:35:21:F8:98:39:6A:46:46:B0:44:1B:0F:A9
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "OISTE WISeKey Global Root GA
CA"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\212\061\013\060\011\006\003\125\004\006\023\002\103\110
\061\020\060\016\006\003\125\004\012\023\007\127\111\123\145\113
```

\145\171\061\033\060\031\006\003\125\004\013\023\022\103\157\160 \171\162\151\147\150\164\040\050\143\051\040\062\060\060\065\061 \042\060\040\006\003\125\004\013\023\031\117\111\123\124\105\040

END

CKA ID UTF8 "0"

CKA ISSUER MULTILINE OCTAL

 $\label{eq:condition} $$ \000\201\212\061\013\060\011\006\003\125\004\012\023\007\127\111\123\145\113\145\171\061\033\060\031\1006\003\125\004\013\023\022\103\157\160\171\162\151\147\150\164\040\050\143\051\040\062\060\060\065\061\042\060\040\006\003\125\004\013\023\031\117\111\123\124\105\040\106\157\165\156\144\141\164\151\157\156\040\105\156\144\157\162\163\145\144\061\050\060\046\006\003\125\004\003\023\037\117\111\123\124\105\040\127\111\123\145\113\145\171\040\107\154\157\142\141\154\040\122\157\157\164\040\107\101\040\103\101$

END

CKA SERIAL NUMBER

MULTILINE OCTAL

 $\label{eq:condition} $$ \002\020\101\075\162\307\364\153\037\201\103\175\361\322\050\124\337\232$$

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 $\label{eq:condition} $$ \000\016\000\012\023\007\127\111\123\145\113\145\171 $$$ \061\033\060\031\006\003\125\004\013\023\022\103\157\160\171\162 \151\147\150\164\040\050\143\051\040\062\060\060\065\061\042\060 $\\ \\ 040\\ \\ 006\\ \\ 003\\ \\ 125\\ \\ 004\\ \\ 013\\ \\ 023\\ \\ 031\\ \\ 117\\ \\ 111\\ \\ 123\\ \\ 124\\ \\ 105\\ \\ 040\\ \\ 106\\ \\ 157$ \165\156\144\141\164\151\157\156\040\105\156\144\157\162\163\145 \144\061\050\060\046\006\003\125\004\003\023\037\117\111\123\124 \105\040\127\111\123\145\113\145\171\040\107\154\157\142\141\154 \040\122\157\157\164\040\107\101\040\103\101\060\036\027\015\060 \065\061\062\061\061\061\066\060\063\064\064\132\027\015\063\067 \061\062\061\061\061\066\060\071\065\061\132\060\201\212\061\013 $\label{eq:condition} $$ \000\011\006\003\125\004\006\023\002\103\110\061\020\060\016\006$ $\label{eq:condition} $$ \003\125\004\012\023\007\127\111\123\145\113\145\171\061\033\060$$$ $\label{eq:condition} $$ \0031\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 \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 $\label{eq:condition} $$ 303\167\235\044\163\173\344\014\214\341\331\066\341\231\213\005$ \231\013\355\105\061\011\312\302\000\333\367\162\240\226\252\225 \207\320\216\307\266\141\163\015\166\146\214\334\033\264\143\242 \237\177\223\023\060\361\241\047\333\331\377\054\125\210\221\240 \340\117\007\260\050\126\214\030\033\227\104\216\211\335\340\027 \156\347\052\357\217\071\012\061\204\202\330\100\024\111\056\172 $\label{eq:condition} $$ 101\344\247\376\343\144\314\301\131\161\113\054\041\247\133\175$$ \340\035\321\056\201\233\303\330\150\367\275\226\033\254\160\261 \026\024\013\333\140\271\046\001\005\002\003\001\000\001\243\121 $\label{eq:condition} $$ \000\117\060\013\006\003\125\035\017\004\004\003\002\001\206\060 $$$ \017\006\003\125\035\023\001\001\377\004\005\060\003\001\001\377 \060\035\006\003\125\035\016\004\026\004\024\263\003\176\256\066 \274\260\171\321\334\224\046\266\021\276\041\262\151\206\224\060 \020\006\011\053\006\001\004\001\202\067\025\001\004\003\002\001 \000\060\015\006\011\052\206\110\206\367\015\001\001\005\005\000 $\label{eq:condition} $$ \003\202\001\001\000\113\241\377\013\207\156\263\371\301\103\261 $$$ \110\363\050\300\035\056\311\011\101\372\224\000\034\244\244\253 \111\117\217\075\036\357\115\157\275\274\244\366\362\046\060\311 \020\312\035\210\373\164\031\037\205\105\275\260\154\121\371\066 \176\333\365\114\062\072\101\117\133\107\317\350\013\055\266\304 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \frac{321}{370}055\\071\\122\\163\\373\\214\\252\\227\\045\\134\\162\\331\\010\\036$ \253\116\074\343\201\061\237\003\246\373\300\376\051\210\125\332 \204\325\120\003\266\342\204\243\246\066\252\021\072\001\341\030 \113\326\104\150\263\075\371\123\164\204\263\106\221\106\226\000 \267\200\054\266\341\343\020\342\333\242\347\050\217\001\226\142 \026\076\000\343\034\245\066\201\030\242\114\122\166\300\021\243 $\label{eq:condition} $$ \frac{346}{035} \frac{272}{343} \frac{132}{276} \frac{66}{123} \frac{305}{076} \frac{165}{217} \frac{206}{151} \frac{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
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
\label{eq:condition} $$ \060\201\212\061\013\060\011\006\003\125\004\006\023\002\103\110 $$
\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
\label{eq:condition} $$ 106\157\165\156\144\141\164\151\157\156\040\105\156\144\157\162$
\163\145\144\061\050\060\046\006\003\125\004\003\023\037\117\111
\123\124\105\040\127\111\123\145\113\145\171\040\107\154\157\142
\label{eq:condition} $$ \frac{141}154\\040\\122\\157\\157\\164\\040\\107\\101\\040\\103\\101
END
CKA SERIAL NUMBER
MULTILINE_OCTAL
\002\020\101\075\162\307\364\153\037\201\103\175\361\322\050\124
\337\232
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
#
# Certificate "Certigna"
# Issuer: CN=Certigna,O=Dhimyotis,C=FR
# Serial Number:00:fe:dc:e3:01:0f:c9:48:ff
# Subject: CN=Certigna,O=Dhimyotis,C=FR
```

Not Valid Before: Fri Jun 29 15:13:05 2007

Not Valid After: Tue Jun 29 15:13:05 2027

Fingerprint (SHA-256):

E3:B6:A2:DB:2E:D7:CE:48:84:2F:7A:C5:32:41:C7:B7:1D:54:14:4B:FB:40:C1:1F:3F:1D:0B:42:F5:EE:A1:2D

Fingerprint (SHA1): B1:2E:13:63:45:86:A4:6F:1A:B2:60:68:37:58:2D:C4:AC:FD:94:97

CKA CLASS CK OBJECT CLASS CKO CERTIFICATE

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA MODIFIABLE CK BBOOL CK FALSE

CKA_LABEL UTF8 "Certigna"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA SUBJECT MULTILINE OCTAL

END

CKA ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

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 $\label{eq:condition} $$ 376\334\343\001\017\311\110\377\060\015\006\011\052\206\110\206$ \367\015\001\001\005\005\000\060\064\061\013\060\011\006\003\125 \004\006\023\002\106\122\061\022\060\020\006\003\125\004\012\014 \011\104\150\151\155\171\157\164\151\163\061\021\060\017\006\003 \125\004\003\014\010\103\145\162\164\151\147\156\141\060\036\027 \015\060\067\060\066\062\071\061\065\061\063\060\065\132\027\015 \062\067\060\066\062\071\061\065\061\063\060\065\132\060\064\061 $\label{eq:condition} $$ \0.013\0.001\0.006\0.003\1.25\0.004\0.006\0.023\0.002\1.006\1.22\0.061\0.022\0.000$ $\label{eq:condition} $$ \006\003\125\004\012\014\011\104\150\151\155\171\157\164\151\163$ \147\156\141\060\202\001\042\060\015\006\011\052\206\110\206\367 \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 $\label{eq:condition} $$ \062\336\136\064\276\034\170\135\102\133\316\016\042\217\115\220 $$$ $\label{eq:condition} $$ 327\175\062\030\263\013\054\152\277\216\077\024\021\211\040\016 $$$ \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 $\\ \langle 046 \rangle 310 \rangle 045 \rangle 256 \rangle 005 \rangle 112 \rangle 264 \rangle 347 \rangle 143 \rangle 054 \rangle 363 \rangle 214 \rangle 026 \rangle 123 \rangle 176 \rangle 134 \rangle$ \373\021\032\010\301\106\142\237\042\270\361\302\215\151\334\372 $\label{eq:condition} $$ \0.072\130\0.06\337\0.02\0.03\0.01\0.00\0.001\243\2.01\2.74\0.60\2.01\2.71\0.60$ \060\035\006\003\125\035\016\004\026\004\024\032\355\376\101\071 $\label{eq:condition} $$ \220\264\044\131\276\001\362\122\325\105\366\132\071\334\021\060 $$$ \144\006\003\125\035\043\004\135\060\133\200\024\032\355\376\101 \071\220\264\044\131\276\001\362\122\325\105\366\132\071\334\021 \241\070\244\066\060\064\061\013\060\011\006\003\125\004\006\023 \002\106\122\061\022\060\020\006\003\125\004\012\014\011\104\150 \151\155\171\157\164\151\163\061\021\060\017\006\003\125\004\003 \001\017\311\110\377\060\016\006\003\125\035\017\001\001\377\004 $\label{eq:condition} $$ \004\003\002\001\006\0021\006\011\140\206\110\001\206\370\102 $$$ $\label{eq:condition} $$ \001\004\004\003\002\000\007\060\015\006\011\052\206\110\206 $$$ \367\015\001\001\005\005\000\003\202\001\001\000\205\003\036\222 \161\366\102\257\341\243\141\236\353\363\300\017\362\245\324\332 \225\346\326\276\150\066\075\176\156\037\114\212\357\321\017\041 \155\136\245\122\143\316\022\370\357\052\332\157\353\067\376\023 $\label{eq:condition} $$ \073\076\042\153\332\141\056\177\324\162\075\335\060$$ \341\036\114\100\031\214\017\327\234\321\203\060\173\230\131\334 \175\306\271\014\051\114\241\063\242\353\147\072\145\204\323\226 $\label{eq:condition} $\342\355\166\105\160\217\265\053\336\371\043\326\111\156\074\024$ \265\306\237\065\036\120\320\301\217\152\160\104\002\142\313\256 \035\150\101\247\252\127\350\123\252\007\322\006\366\325\024\006 \013\221\003\165\054\154\162\265\141\225\232\015\213\271\015\347 \365\337\124\315\336\346\330\326\011\010\227\143\345\301\056\260 \267\104\046\300\046\300\257\125\060\236\073\325\066\052\031\004 \364\134\036\377\317\054\267\377\320\375\207\100\021\325\021\043 \273\110\300\041\251\244\050\055\375\025\370\260\116\053\364\060 $\label{eq:condition} $$ 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

```
# 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
\label{eq:condition} $$ \060\064\061\013\060\011\006\003\125\004\006\023\002\106\122\061 $$
\label{eq:condition} $$ \022\060\020\006\003\125\004\012\014\011\104\150\151\155\171\157
\164\151\163\061\021\060\017\006\003\125\004\003\014\010\103\145
\162\164\151\147\156\141
END
CKA SERIAL NUMBER MULTILINE OCTAL
\label{eq:condition} $$ \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
```

Serial Number:00:fe:dc:e3:01:0f:c9:48:ff

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

 $\label{eq:condition} $$ \0011006\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

 $\label{eq:condition} $$ \001360610130660111006003125004006023002124127061 $$ 043\060\041\006\003\125\004\012\014\032\103\150\165\156\147\150 $$ 167\141\040\124\145\154\145\143\157\155\040\103\157\056\054\0400 $$ 114\164\144\056\061\052\060\050\006\003\125\004\013\014\041\145 $$ 120\113\111\040\122\157\157\164\040\103\145\162\164\151\146\151 $$ 143\141\164\151\157\156\040\101\165\164\150\157\162\151\164\171 $$ END$

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\002\020\025\310\275\145\107\134\257\270\227\000\136\344\006\322 \274\235

END

CKA VALUE

MULTILINE_OCTAL

\060\202\005\260\060\202\003\230\240\003\002\001\002\002\020\025 \310\275\145\107\134\257\270\227\000\136\344\006\322\274\235\060 $\label{eq:condition} $$ \015\006\011\052\206\110\206\367\015\001\001\005\005\000\060\136 $$$ \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\060\062\063\061\062\067\132\027 \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 $\label{eq:condition} $$ \074\332\351\147\277\010\240\144\343\326\102\267\105\357\227\364$$ \366\365\327\265\112\025\002\130\175\230\130\113\140\274\315\327 $\label{eq:condition} $$ \015\232\023\063\123\321\141\371\172\325\327\170\263\232\063\367$ $\label{eq:condition} $$ \000\206\316\035\115\224\070\257\250\354\170\121\160\212\134\020 $$$ \203\121\041\367\021\075\064\206\136\345\110\315\227\201\202\065 \114\031\354\145\366\153\305\005\241\356\107\023\326\263\041\047 $\label{eq:condition} $$ \224\020\012\331\044\073\272\276\104\023\106\060\077\227\074\330 $$$ \327\327\152\356\073\070\343\053\324\227\016\271\033\347\007\111 $\label{eq:condition} $$ \frac{177}067\\052\\371\\167\\170\\317\\124\\355\\133\\106\\235\\243\\200\\016\\221$ $\label{eq:condition} $$ 103\301\326\133\137\024\272\237\246\215\044\107\100\131\277\162$ \070\262\066\154\067\377\231\321\135\016\131\012\253\151\367\300 $\label{eq:condition} $$ \262\004\105\172\124\000\256\276\123\366\265\347\341\370\074\243 $$$ \061\322\251\376\041\122\144\305\246\147\360\165\007\006\224\024 \201\125\306\047\344\001\217\027\301\152\161\327\276\113\373\224 \130\175\176\021\063\261\102\367\142\154\030\326\317\011\150\076 \177\154\366\036\217\142\255\245\143\333\011\247\037\042\102\101 $\label{eq:condition} $$ \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 \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 $\label{eq:condition} $$ \012\126\174\356\133\170\014\225\371\030\123\301\246\034\330\020 $$$ $\label{eq:condition} $$ \006\011\052\206\110\206\367\015\001\001\005\005\000\003$ \202\002\001\000\011\263\203\123\131\001\076\225\111\271\361\201 \272\371\166\040\043\265\047\140\164\324\152\231\064\136\154\000 \123\331\237\362\246\261\044\007\104\152\052\306\245\216\170\022 \350\107\331\130\033\023\052\136\171\233\237\012\052\147\246\045 \077\006\151\126\163\303\212\146\110\373\051\201\127\164\006\312 \234\352\050\350\070\147\046\053\361\325\265\077\145\223\370\066 \135\216\215\215\100\040\207\031\352\357\047\300\075\264\071\017 $\\ \\ 045\\ \\ 173\\ \\ 150\\ \\ 120\\ \\ 164\\ \\ 125\\ \\ 234\\ \\ 014\\ \\ 131\\ \\ 175\\ \\ 132\\ \\ 075\\ \\ 101\\ \\ 224\\ \\ 045\\ \\ 122\\ \\$ $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \035\216\141\017\065\173\233\256\071\151\013\142\140\100\040\066$$$ \217\257\373\066\356\055\010\112\035\270\277\233\134\370\352\245 $\label{eq:condition} $$ \033\240\163\246\330\370\156\340\063\004\137\150\252\047\207\355 $$$ \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 $\label{eq:condition} $$ \065\222\135\016\266\007\257\031\200\217\107\220\121\113\056\115$$$ \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 $\label{eq:condition} $$ \frac{124 \cdot 056 \cdot 247 \cdot 050 \cdot 136 \cdot 104 \cdot 071 \cdot 207 \cdot 126 \cdot 055 \cdot 067 \cdot 275 \cdot 205 \cdot 104 \cdot 224 \cdot 341}{124 \cdot 056 \cdot 247 \cdot 050 \cdot 136 \cdot 104 \cdot 071 \cdot 207 \cdot 126 \cdot 055 \cdot 067 \cdot 275 \cdot 205 \cdot 104 \cdot 224 \cdot 341} $$ \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 $\label{eq:condition} \begin{tabular}{ll} $\306\036\110\164\042\101\134\207\202\350\030\161\213\101\211 \end{tabular}$ \104\347\176\130\133\250\270\215\023\351\247\154\303\107\355\263 \032\235\142\256\215\202\352\224\236\335\131\020\303\255\335\342 \115\343\061\325\307\354\350\362\260\376\222\036\026\012\032\374 \331\363\370\047\266\311\276\035\264\154\144\220\177\364\344\304 \133\327\067\256\102\016\335\244\032\157\174\210\124\305\026\156 \341\172\150\056\370\072\277\015\244\074\211\073\170\247\116\143 $\label{eq:condition} $$ \203\004\041\010\147\215\362\202\111\320\133\375\261\315\017\203$ $\label{eq:condition} $$ \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

 $\label{eq:condition} $$ 147\145\015\361\176\216\176\133\202\100\244\364\126\113\317\342 $$$

\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
\label{eq:condition} $$ 167\141\040\124\145\154\145\143\157\155\040\103\157\056\054\040 $$
\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
\label{eq:condition} $$ \002\020\025\310\275\145\107\134\257\270\227\000\136\344\006\322 $$
\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
\label{eq:condition} $$ \021\060\017\006\003\125\004\012\023\010\143\145\162\164\123\111 $$
\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\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 $\label{eq:condition} $$ \001\005\000\006\0073\061\013\060\011\006\003\125\004\006\023 $$$ \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 $\label{eq:condition} $$ \020\143\145\162\164\123\111\107\116\040\122\117\117\124\040\103$ \101\060\036\027\015\060\066\060\067\060\064\061\067\062\060\060 \064\132\027\015\063\061\060\067\060\064\061\067\062\060\064 \132\060\073\061\013\060\011\006\003\125\004\006\023\002\122\117 \061\021\060\017\006\003\125\004\012\023\010\143\145\162\164\123 \162\164\123\111\107\116\040\122\117\117\124\040\103\101\060\202 \001\042\060\015\006\011\052\206\110\206\367\015\001\001\001\005 $\label{eq:condition} $$ \000\003\202\001\017\000\060\202\001\012\002\202\001\001\000\267 $$$ \063\271\176\310\045\112\216\265\333\264\050\033\252\127\220\350 $\label{eq:condition} $$ 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 $\label{eq:condition} $$ 163\076\062\207\230\241\311\121\057\327\336\254\063\263\117\002$ $\label{eq:condition} $$ \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 $\label{eq:condition} $$ 367 \times 0.05 \times 0.00 \times 0.00$ \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

 $\label{eq:control_loss} $$ \end{align} $$ \end{al$

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

 $\label{eq:condition} $$ \030\230\300\326\351\072\374\371\260\365\014\367\113\001\104\027 $$$

END

CKA_ISSUER MULTILINE_OCTAL

END

 ${\sf CKA_SERIAL_NUMBER\ MULTILINE_OCTAL}$

\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

 $\label{eq:condition} $$ \frac{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

\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

 $\label{lem:condition} $$ \000\201\247\061\013\060\011\006\003\125\004\006\023\002\110\125\061\021\060\017\006\003\125\004\001\0102\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

 $\label{eq:condition} $$ \060\202\004\025\060\202\002\375\240\003\002\001\002\002\006\111 $$$ \101\054\344\000\020\060\015\006\011\052\206\110\206\367\015\001 $\label{eq:condition} $$ \001\013\005\000\060\201\247\061\013\060\011\006\003\125\004\006$ $\label{eq:condition} $$ \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 $\\ \\014\\\\014\\\\116\\\\145\\\\164\\\\114\\\\1157\\\\143\\\\1153\\\\040\\\\113\\\\146\\\\164\\\\056\\\\061\\\\067$ \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 \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 $\label{eq:condition} $$ \050\103\154\141\163\163\040\107\157\154\144\051\040\106\305\221 $$$ \164\141\156\303\272\163\303\255\164\166\303\241\156\171\060\036 \027\015\060\070\061\062\061\061\061\065\060\070\062\061\132\027 \015\062\070\061\062\060\066\061\065\060\070\062\061\132\060\201 \247\061\013\060\011\006\003\125\004\006\023\002\110\125\061\021 \060\017\006\003\125\004\007\014\010\102\165\144\141\160\145\163 \164\061\025\060\023\006\003\125\004\012\014\014\116\145\164\114 \157\143\153\040\113\146\164\056\061\067\060\065\006\003\125\004 $\label{eq:condition} $$ \013\014\056\124\141\156\303\272\163\303\255\164\166\303\241\156$$ \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 $\label{eq:condition} $$ \052\206\110\206\367\015\001\001\001\005\000\003\202\001\017\000 $$$ $\label{eq:condition} $$ \000\202\001\001\000\304\044\136\163\276\113\155$$ $\label{eq:condition} $$ \024\303\241\364\343\227\220\156\322\060\105\036\074\356\147\331 $$$ \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 $\label{eq:condition} $$ \001\220\043\374\116\060\251\176\341\047\143\347\355\144\074\240 $$$ \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 $\label{eq:condition} $$ 307 \cdot 026 \cdot 204 \cdot 166 \cdot 227 \cdot 133 \cdot 057 \cdot 273 \cdot 031 \cdot 025 \cdot 205 \cdot 370 \cdot 151 \cdot 205 \cdot 365 \cdot 231 \cdot 025 \cdot 205 \cdot 205$ $\label{eq:condition} $\247\251\362\064\247\251\266\246\003\374\157\206\075\124\174\166$$ \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 $\label{eq:condition} $$ \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 \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
\label{eq:condition} $$ 305 \times 241 \times 67 \times 377 \times 63 \times 326 \times 327 \times 64 \times 62 \times 337 \times 374 \times 74 \times 255 \times 210 
END
CKA ISSUER MULTILINE OCTAL
\label{eq:condition} $$ \060\201\247\061\013\060\011\006\003\125\004\006\023\002\110\125
\label{eq:condition} $$ \001\001\000\017\000\003\125\004\007\014\010\102\165\144\141\160 $$
\145\163\164\061\025\060\023\006\003\125\004\012\014\014\116\145
\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
\verb| 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
\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

 $\label{eq:condition} $$ \000107\061\013\060\0011\006\003\125\004\006\023\002\110\113\061 $$ \026\060\024\006\003\125\004\012\023\015\110\157\156\147\153\157 $$ \156\147\040\120\157\156\147\153\157\156\147\040\120\157\163\164\040\122\157\157\164\040\103\101\040\061 $$$

END

CKA ID

UTF8 "0"

CKA ISSUER MULTILINE OCTAL

 $\label{eq:condition} $$ \000107\061\013\060\011\006\003\125\004\006\023\002\110\113\061 $$ \026\060\024\006\003\125\004\012\023\015\110\157\156\147\153\157 $$ \156\147\040\120\157\156\147\153\157\156\147\040\120\157\163\164\040\122\157\157\164\040\103\101\040\061 $$$

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\002\002\003\350

END

CKA_VALUE MULTILINE_OCTAL

\060\202\003\060\060\202\002\003\0240\003\002\001\002\002\003 $\label{eq:condition} $$ \350\060\015\006\011\052\206\110\206\367\015\001\001\005\0005\000$ \060\107\061\013\060\011\006\003\125\004\006\023\002\110\113\061 \026\060\024\006\003\125\004\012\023\015\110\157\156\147\153\157 \156\147\040\120\157\163\164\061\040\060\036\006\003\125\004\003 \023\027\110\157\156\147\153\157\156\147\040\120\157\163\164\040 \122\157\157\164\040\103\101\040\061\060\036\027\015\060\063\060 \065\061\065\060\065\061\063\061\064\132\027\015\062\063\060\065 \061\065\060\064\065\062\062\071\132\060\107\061\013\060\011\006 \003\125\004\006\023\002\110\113\061\026\060\024\006\003\125\004 \012\023\015\110\157\156\147\153\157\156\147\040\120\157\163\164 \061\040\060\036\006\003\125\004\003\023\027\110\157\156\147\153 \157\156\147\040\120\157\163\164\040\122\157\157\164\040\103\101 \040\061\060\202\001\042\060\015\006\011\052\206\110\206\367\015 \001\001\001\005\000\003\202\001\017\000\060\202\001\012\002\202 $\label{eq:condition} $$ \001\000\254\377\070\266\351\146\002\111\343\242\264\341\220 $$$ \371\100\217\171\371\342\275\171\376\002\275\356\044\222\035\042 \366\332\205\162\151\376\327\077\011\324\335\221\265\002\234\320 \215\132\341\125\303\120\206\271\051\046\302\343\331\240\361\151 \003\050\040\200\105\042\055\126\247\073\124\225\126\042\131\037 \050\337\037\040\075\155\242\066\276\043\240\261\156\265\261\047 \077\071\123\011\352\253\152\350\164\262\302\145\134\216\277\174 \303\170\204\315\236\026\374\365\056\117\040\052\010\237\167\363 \305\036\304\232\122\146\036\110\136\343\020\006\217\042\230\341 \145\216\033\135\043\146\073\270\245\062\121\310\206\252\241\251

\236\177\166\224\302\246\154\267\101\360\325\310\006\070\346\324 \014\342\363\073\114\155\120\214\304\203\047\301\023\204\131\075 $\verb| 236| 165| 164| 266| 330| 002| 136| 072| 220| 172| 300| 102| 066| 162| 354| 152|$ \115\334\357\304\000\337\023\030\127\137\046\170\310\326\012\171 $\label{eq:condition} $$ 167\277\367\257\267\166\271\245\013\204\027\135\020\352\157\341 $$$ \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 \060\015\006\011\052\206\110\206\367\015\001\001\005\005\000\003 $\label{eq:condition} $$ \202\001\000\016\106\325\074\256\342\207\331\136\201\213\002$ $\verb|230|101|010|214|114|274|332|333|356|047|033|202|347|152|105|354|$ \026\213\117\205\240\363\262\160\275\132\226\272\312\156\155\356 \106\213\156\347\052\056\226\263\031\063\353\264\237\250\262\067 $\label{eq:condition} $$ \356\230\250\227\266\056\266\147\047\324\246\111\375\034\223\145$$ \166\236\102\057\334\042\154\232\117\362\132\025\071\261\161\327 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \033\346\064\104\237\221\160\364\200\136\204\103\302\051\322\154$$ \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 $\label{eq:condition} $$ \frac{133}055\\101\\022\\355\\120\\147\\101\\023\\075\\041\\253\\224\\212\\252\\116$ \174\301\261\373\247\326\265\047\057\227\253\156\340\035\342\321 $\label{eq:condition} $$ \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):

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"

```
\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
\label{eq:condition} $$ \frac{156}147 \cdot 040 \cdot 120 \cdot 157 \cdot 163 \cdot 164 \cdot 061 \cdot 040 \cdot 060 \cdot 036 \cdot 006 \cdot 003 \cdot 125 \cdot 004 \cdot 003 }{125 \cdot 004 \cdot 003 \cdot 125 \cdot 004 \cdot 003} 
\label{eq:condition} $$ \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
```

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

END

CKA ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

 $\label{lem:condition} $$\00130061\013\060\011\006\003\125\004\006\023\002\112\12\006\005\006\003\125\004\012\023\042\112\141\160\141\156\040\123\145\162\166\151\143\145\163\054\040\111\156\143\056\061\034\060\032\006\003\125\0004\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 $\label{eq:condition} $$ \006\011\052\206\110\206\367\015\001\001\005\005\000\060 $$$ \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 $\\ \langle 040 \rangle 122 \rangle 157 \rangle 164 \rangle 103 \rangle 101 \rangle 061 \rangle 061 \rangle 060 \rangle 036 \rangle 027 \rangle 015 \rangle 060 \rangle 071 \rangle 060$ \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

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\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
\label{eq:condition} $$ \072\322\361\143\232\240\276\011\366\127\267\336\060\016\0006\003
\125\035\017\001\001\377\004\004\003\002\001\006\060\017\006\003
\125\035\023\001\001\377\004\005\060\003\001\001\377\060\015\006
\label{eq:condition} $$ \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
\label{eq:condition} $$ \frac{345}172\\033\\212\\120\\072\\035\\275\\015\\274\\173\\124\\120\\013\\271\\102
\257\125\240\030\201\255\145\231\357\276\344\234\277\304\205\253
\101\262\124\157\334\045\315\355\170\342\216\014\215\011\111\335
\122\312\177\201\376\331\153\323\367\021\355\045\337\370\347\371
\244\372\162\227\204\123\015\245\320\062\030\121\166\131\024\154
\label{eq:condition} $$ \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
{\tt 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
\label{eq:condition} $$ \073\304\237\110\370\363\163\240\234\036\275\370\133\261\303\145 $$
\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
\label{eq:condition} $$ \frac{162\\166\\151\\143\\145\\163\\054\\040\\111\\156\\143\\056\\061\\034\\060\\032
\006\003\125\004\003\023\023\123\145\143\165\162\145\123\151\147
\156\040\122\157\157\164\103\101\061\061
END
CKA_SERIAL_NUMBER
MULTILINE OCTAL
\002\001\001
END
CKA TRUST SERVER AUTH CK TRUST CKT NSS TRUSTED DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA TRUST CODE SIGNING CK TRUST CKT NSS MUST VERIFY TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
# Certificate "Microsec e-Szigno Root CA 2009"
# Issuer: E=info@e-szigno.hu,CN=Microsec e-Szigno Root CA 2009,O=Microsec Ltd.,L=Budapest,C=HU
# Serial Number:00:c2:7e:43:04:4e:47:3f:19
# Subject: E=info@e-szigno.hu,CN=Microsec e-Szigno Root CA 2009,O=Microsec Ltd.,L=Budapest,C=HU
# Not Valid Before: Tue Jun 16 11:30:18 2009
# Not Valid After: Sun Dec 30 11:30:18 2029
# Fingerprint (SHA-256):
3C:5F:81:FE:A5:FA:B8:2C:64:BF:A2:EA:EC:AF:CD:E8:E0:77:FC:86:20:A7:CA:E5:37:16:3D:F3:6E:DB:F3:78
# Fingerprint (SHA1): 89:DF:74:FE:5C:F4:0F:4A:80:F9:E3:37:7D:54:DA:91:E1:01:31:8E
CKA CLASS
CK OBJECT CLASS CKO CERTIFICATE
CKA TOKEN CK BBOOL CK TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Microsec e-Szigno Root CA 2009"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\label{eq:condition} $$ \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
\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

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 $\label{eq:condition} $$ 302\176\103\004\116\107\077\031\060\015\006\011\052\206\110\206$ \367\015\001\001\013\005\000\060\201\202\061\013\060\011\006\003 \125\004\006\023\002\110\125\061\021\060\017\006\003\125\004\007 \125\004\012\014\015\115\151\143\162\157\163\145\143\040\114\164 \144\056\061\047\060\045\006\003\125\004\003\014\036\115\151\143 \162\157\163\145\143\040\145\055\123\172\151\147\156\157\040\122 \157\157\164\040\103\101\040\062\060\060\071\061\037\060\035\006 $\label{eq:condition} $$ \011\052\206\110\206\367\015\001\011\001\026\020\151\156\146\157 $$$ \100\145\055\163\172\151\147\156\157\056\150\165\060\036\027\015 \060\071\060\066\061\066\061\061\063\060\061\070\132\027\015\062 $\label{eq:condition} $$ \071\061\062\063\060\061\063\060\061\070\132\060\201\202\061\$ \013\060\011\006\003\125\004\006\023\002\110\125\061\021\060\017 \006\003\125\004\007\014\010\102\165\144\141\160\145\163\164\061 \026\060\024\006\003\125\004\012\014\015\115\151\143\162\157\163 \145\143\040\114\164\144\056\061\047\060\045\006\003\125\004\003 \014\036\115\151\143\162\157\163\145\143\040\145\055\123\172\151 \147\156\157\040\122\157\157\164\040\103\101\040\062\060\060\071 $\label{eq:condition} $$ \0061\037\060\035\006\011\052\206\110\206\367\015\001\011\001\026$ $\label{eq:condition} $$ \020\151\156\146\157\100\145\055\163\172\151\147\156\157\056\150 $$$ \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 $\label{eq:condition} $$ \067\212\044\304\131\314\120\020\143\216\252\251\032\260\204\032$ $\label{eq:condition} $$ \206\371\137\273\261\120\156\244\321\012\314\325\161\176\037\247 $$$ \033\174\365\123\156\042\137\313\053\346\324\174\135\256\326\302 \306\114\345\005\001\331\355\127\374\301\043\171\374\372\310\044 \203\225\363\265\152\121\001\320\167\326\351\022\241\371\032\203 \373\202\033\271\260\227\364\166\006\063\103\111\240\377\013\265 \372\265\002\003\001\000\001\243\201\200\060\176\060\017\006\003 \125\035\023\001\001\377\004\005\060\003\001\001\377\060\016\006 \003\125\035\017\001\001\377\004\004\003\002\001\006\060\035\006 \003\125\035\016\004\026\004\024\313\017\306\337\102\103\314\075 \313\265\110\043\241\032\172\246\052\273\064\150\060\037\006\003 \125\035\043\004\030\060\026\200\024\313\017\306\337\102\103\314 \075\313\265\110\043\241\032\172\246\052\273\064\150\060\033\006 $\label{eq:condition} $$ \031\25\035\021\004\024\060\022\201\020\151\156\146\157\100\145 $$$ \055\163\172\151\147\156\157\056\150\165\060\015\006\011\052\206 \110\206\367\015\001\001\013\005\000\003\202\001\001\000\311\321 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \361\257\212\372\077\013\163\152\076\352\056\100\176\037\256\124$$ \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 $\label{eq:condition} $$ \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"
```

Serial Number:00:c2:7e:43:04:4e:47:3f:19

 $[\]hbox{\# Issuer: E=info@e-szigno.hu,CN=Microsec~e-Szigno~Root~CA~2009,O=Microsec~Ltd.,L=Budapest,C=HU~\# }$

[#] 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

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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
\label{eq:condition} $$ \0.060\201\202\061\013\060\011\006\003\125\004\006\023\002\110\125
\061\021\060\017\006\003\125\004\007\014\010\102\165\144\141\160
\145\163\164\061\026\060\024\006\003\125\004\012\014\015\115\151
\143\162\157\163\145\143\040\114\164\144\056\061\047\060\045\006
\003\125\004\003\014\036\115\151\143\162\157\163\145\143\040\145
\label{eq:condition} $$ \055\123\172\151\147\156\157\040\122\157\157\164\040\103\101\040 $$
\label{eq:condition} $$ \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
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
```

Fingerprint (SHA-256):

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

END

CKA ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

END

CKA SERIAL NUMBER

MULTILINE_OCTAL

 $\label{eq:condition} $$ \002\01\004\000\000\000\001\041\130\123\010\242 $$$

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 $\label{eq:condition} $$ 110\206\367\015\001\001\013\005\000\060\114\061\040\060\036\006$ \003\125\004\013\023\027\107\154\157\142\141\154\123\151\147\156 \040\122\157\157\164\040\103\101\040\055\040\122\063\061\023\060 $\label{eq:condition} $$ \004\003\125\004\012\023\012\107\154\157\142\141\154\123\151 $$$ \147\156\061\023\060\021\006\003\125\004\003\023\012\107\154\157 \142\141\154\123\151\147\156\060\036\027\015\060\071\060\063\061 \070\061\060\060\060\060\060\132\027\015\062\071\060\063\061\070 \061\060\060\060\060\060\132\060\114\061\040\060\036\006\003\125 \004\013\023\027\107\154\157\142\141\154\123\151\147\156\040\122 \157\157\164\040\103\101\040\055\040\122\063\061\023\060\021\006 \003\125\004\012\023\012\107\154\157\142\141\154\123\151\147\156 $\label{eq:condition} $$ \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 \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 $\label{eq:condition} $$ 164\024\334\164\340\072\356\162\057\056\234\373\320\277\365$$ $\label{eq:condition} $$ \075\000\341\006\063\350\202\053\256\123\246\072\026\163\214\335 $$$ $\label{eq:condition} $$ 101\016\040\072\300\264\247\241\351\262\117\220\056\062\140\351 $$$ \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 \060\035\006\003\125\035\016\004\026\004\024\217\360\113\177\250 $\label{eq:condition} $$ \056\105\044\256\115\120\372\143\232\213\336\342\335\033\274\060 $$$ $\label{eq:condition} $$ \0.015\0.06\0.01\0.05\0.00\0.003\0.001\0.01\0.01\0.005\0.000\0.003\0.000 $$$ \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
\label{eq:condition} $$ \002\01\004\000\000\000\001\041\130\123\010\242 $$
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 Certificación 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
\label{eq:condition} $$ \060\121\061\013\060\011\006\003\125\004\006\023\002\105\123\061\
```

 $\label{eq:condition} $$ 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

 $\label{eq:condition} $$ \000\121\061\013\060\011\006\003\125\004\0006\023\002\105\123\061 $$ \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 \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\014\071\101\165\164\157\162\151\144\141\144\040\144\145\040 \103\145\162\164\151\146\151\143\141\143\151\157\156\040\106\151 \162\155\141\160\162\157\146\145\163\151\157\156\141\154\040\103 \111\106\040\101\066\062\066\063\064\060\066\070\060\202\002\042 \060\015\006\011\052\206\110\206\367\015\001\001\001\005\000\003 \202\002\017\000\060\202\002\012\002\202\002\001\000\312\226\153 \216\352\370\373\361\242\065\340\177\114\332\340\303\122\327\175 \266\020\310\002\136\263\103\052\304\117\152\262\312\034\135\050 \232\170\021\032\151\131\127\257\265\040\102\344\213\017\346\337 \133\246\003\222\057\365\021\344\142\327\062\161\070\331\004\014 \161\253\075\121\176\017\007\337\143\005\134\351\277\224\157\301 \051\202\300\264\332\121\260\301\074\273\255\067\112\134\312\361 \113\066\016\044\253\277\303\204\167\375\250\120\364\261\347\306 $\label{eq:condition} $$ \057\322\055\131\215\172\012\116\226\151\122\002\252\066\230\354$$ \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 $\label{eq:condition} $$ \32\377\055\232\106\161\107\276\102\337\273\001\333\364\177\323$ \050\217\061\131\133\323\311\002\246\264\122\312\156\227\373\103 \305\010\046\157\212\364\273\375\237\050\252\015\325\105\363\023 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \226\223\331\225\006\170\061\150\236\067\006\073\200\211\105\141 $$$ \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 $\label{eq:condition} $$ \001\377\004\010\060\006\001\001\377\002\001\001\060\016\006\003$ \125\035\017\001\001\377\004\004\003\002\001\006\060\035\006\003 \125\035\016\004\026\004\024\145\315\353\253\065\036\000\076\176 \325\164\300\034\264\163\107\016\032\144\057\060\201\246\006\003 \125\035\040\004\201\236\060\201\233\060\201\230\006\004\125\035 \040\000\060\201\217\060\057\006\010\053\006\001\005\005\007\002 $\label{eq:condition} $$ \001\026\043\150\164\164\166\072\057\057\167\167\167\167\056\146\151 $$$ \162\155\141\160\162\157\146\145\163\151\157\156\141\154\056\143 $\label{eq:condition} $$ \frac{157}{155}057\\143\\160\\163\\060\\134\\006\\010\\053\\006\\001\\005\\0005\\0007$ \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 $\label{eq:condition} $$ \000\157\000\156\000\141\000\156\000\157\000\166\000\141\000\040 $$$ \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 $\label{eq:condition} $$ \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 \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 $\label{eq:condition} $$ \36\322\117\044\005\363\154\116\365\114\111\146\215\321\377\322$ $\label{eq:condition} $$ \013\045\101\110\376\121\204\306\102\257\200\004\317\320\176\144 $$$ \111\344\362\337\242\354\261\114\300\052\035\347\264\261\145\242 \304\274\361\230\364\252\160\007\143\264\270\332\073\114\372\100 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \frac{324}137\sqrt{347}\sqrt{275}150\sqrt{173}145\sqrt{362}\sqrt{25}\sqrt{36322}\sqrt{72}\sqrt{251}\sqrt{55}\sqrt{351}$$ \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 $\label{eq:condition} $$ \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

 ${\tt CKA_CERT_MD5_HASH\ MULTILINE_OCTAL}$

\267\367\266\372

END

\256\305\373\077\310\341\277\304\345\117\003\007\132\232\350\000

```
\163\072\164\172\354\273\243\226\246\302\344\342\310\233\300\303
END
CKA ISSUER MULTILINE OCTAL
\060\121\061\013\060\011\006\003\125\004\006\023\002\105\123\061
\102\060\100\006\003\125\004\003\014\071\101\165\164\157\162\151
\144\141\144\040\144\145\040\103\145\162\164\151\146\151\143\141
\143\151\157\156\040\106\151\162\155\141\160\162\157\146\145\163
\151\157\156\141\154\040\103\111\106\040\101\066\062\066\063\064
\060\066\070
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\010\123\354\073\356\373\262\110\137
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA TRUST STEP UP APPROVED CK BBOOL CK FALSE
# Certificate "Izenpe.com"
# Issuer: CN=Izenpe.com,O=IZENPE S.A.,C=ES
# Serial Number:00:b0:b7:5a:16:48:5f:bf:e1:cb:f5:8b:d7:19:e6:7d
# Subject: CN=Izenpe.com,O=IZENPE S.A.,C=ES
# Not Valid Before: Thu Dec 13 13:08:28 2007
# Not Valid After: Sun Dec 13 08:27:25 2037
# Fingerprint (SHA-256):
25:30:CC:8E:98:32:15:02:BA:D9:6F:9B:1F:BA:1B:09:9E:2D:29:9E:0F:45:48:BB:91:4F:36:3B:C0:D4:53:1F
# Fingerprint (SHA1): 2F:78:3D:25:52:18:A7:4A:65:39:71:B5:2C:A2:9C:45:15:6F:E9:19
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA TOKEN CK BBOOL CK TRUE
CKA PRIVATE CK BBOOL CK FALSE
CKA MODIFIABLE CK BBOOL CK FALSE
CKA LABEL UTF8 "Izenpe.com"
CKA CERTIFICATE TYPE
CK CERTIFICATE TYPE CKC X 509
CKA_SUBJECT MULTILINE_OCTAL
\label{eq:condition} $$ \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\000\000 $\label{eq:condition} $$ \260\267\132\026\110\137\277\341\313\365\213\327\031\346\175\060$$ \015\006\011\052\206\110\206\367\015\001\001\013\005\000\060\070 \061\013\060\011\006\003\125\004\006\023\002\105\123\061\024\060 \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 $\label{eq:condition} $$ \061\063\060\070\062\070\132\027\015\063\067\061\062\061 $$$ \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 $\label{eq:condition} $$ \frac{157}{155}060\\202\\002\\042\\060\\015\\006\\011\\052\\206\\110\\206\\367\\015$ \001\001\001\005\000\003\202\002\017\000\060\202\002\012\002\202 \002\001\000\311\323\172\312\017\036\254\247\206\350\026\145\152 \261\302\033\105\062\161\225\331\376\020\133\314\257\347\245\171 \001\217\211\303\312\362\125\161\367\167\276\167\224\363\162\244 \054\104\330\236\222\233\024\072\241\347\044\220\012\012\126\216 \305\330\046\224\341\331\110\341\055\076\332\012\162\335\243\231 \025\332\201\242\207\364\173\156\046\167\211\130\255\326\353\014 \262\101\172\163\156\155\333\172\170\101\351\010\210\022\176\207 \056\146\021\143\154\124\373\074\235\162\300\274\056\377\302\267 \335\015\166\343\072\327\367\264\150\276\242\365\343\201\156\301 $\label{eq:condition} $$ 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 $\label{eq:condition} $$ \277\332\177\242\017\227\117\014\323\015\373\327\321\345\162\176$ \034\310\167\377\133\232\017\267\256\005\106\345\361\250\026\354 \107\244\027\002\003\001\000\001\243\201\366\060\201\363\060\201 \260\006\003\125\035\021\004\201\250\060\201\245\201\017\151\156 \146\157\100\151\172\145\156\160\145\056\143\157\155\244\201\221 $\label{eq:condition} $$ \060\201\216\061\107\060\105\006\003\125\004\012\014\076\111\132 $$$ \105\116\120\105\040\123\056\101\056\040\055\040\103\111\106\040 \101\060\061\063\063\067\062\066\060\055\122\115\145\162\143\056 \124\061\060\065\065\040\106\066\062\040\123\070\061\103\060\101 $\\ \\006\\ \\003\\ \\125\\ \\004\\ \\011\\ \\014\\ \\072\\ \\101\\ \\166\\ \\144\\ \\141\\ \\040\\ \\144\\ \\145\\ \\154\\ \\040$ \115\145\144\151\164\145\162\162\162\141\156\145\157\040\105\164\157 \162\142\151\144\145\141\040\061\064\040\055\040\060\061\060\061 $\label{eq:condition} $$ \060\040\126\151\164\157\162\151\141\055\107\141\163\164\145\151 $$$ \172\060\017\006\003\125\035\023\001\001\377\004\005\060\003\001 \001\377\060\016\006\003\125\035\017\001\001\377\004\004\003\002 $\label{eq:condition} $$ \001\006\003\006\003\125\035\016\004\026\004\024\035\034\145 $$$ \016\250\362\045\173\264\221\317\344\261\261\346\275\125\164\154 \005\060\015\006\011\052\206\110\206\367\015\001\001\013\005\000 $\label{eq:condition} $$ \003\202\002\001\000\170\246\014\026\112\237\114\210\072\300\313 $$$ \016\245\026\175\237\271\110\137\030\217\015\142\066\366\315\031 \153\254\253\325\366\221\175\256\161\363\077\263\016\170\205\233 \225\244\047\041\107\102\112\174\110\072\365\105\174\263\014\216 \121\170\254\225\023\336\306\375\175\270\032\220\114\253\222\003 $\label{eq:condition} $$ 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 $\label{eq:condition} $$ 371\276\277\052\205\077\300\100\243\072\131\374\131\113\074\050 $$$ \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 $\label{eq:condition} $$ \frac{170}{211}354\frac{172}{247}205\frac{341}{271}173\frac{36}{276}036\frac{171}{204}316$$ \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 $\label{eq:condition} $$ 102\163\005\224\103\325\216\074\116\001\072\031\245\037\106\116$$ \167\320\135\345\201\042\041\207\376\224\175\204\330\223\255\326

 $\label{eq:condition} $$ \frac{150\103\110\262\333\353\163\044\347\221\177\124\244\266\200\076\235\243\074\114\162\302\127\304\240\324\314\070\047\316\325\006\236\242\110\331\351\237\316\202\160\066\223\232\073\337\226\041\343\131\267\014\332\221\067\360\375\131\132\263\231\310\151\154\103\046\001\065\143\140\125\211\003\072\165\330\272\112\331\124\377\356\336\200\330\055\321\070\325\136\055\013\230\175\076\154\333\374\046\210\307$

END

CKA_NSS_MOZILLA_CA_POLICY

CK BBOOL CK TRUE

CKA_NSS_SERVER_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

 $\label{eq:condition} $$ \000\001\001\000\003\125\004\000\023\002\105\123\061 $$$

\024\060\022\006\003\125\004\012\014\013\111\132\105\116\120\105

 $\label{eq:condition} $$ \040\123\056\101\056\061\023\060\021\006\003\125\004\003\014\012 $$$

 $\label{eq:label_label} $$ \frac{111}172\frac{45}{156}\frac{60}{145}\frac{3157}{155}$$

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

 $\label{eq:condition} $$ \020\020\0260\267\132\026\110\137\277\341\313\365\213\327\031 $$$

\346\175

END

 ${\tt CKA_TRUST_SERVER_AUTH\ CK_TRUST\ CKT_NSS_TRUSTED_DELEGATOR}$

CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

```
# Certificate "Chambers of Commerce Root - 2008"
# Issuer: CN=Chambers of Commerce Root - 2008,O=AC Camerfirma S.A.,serialNumber=A82743287,L=Madrid
(see current address at www.camerfirma.com/address),C=EU
# Serial Number:00:a3:da:42:7e:a4:b1:ae:da
# Subject: CN=Chambers of Commerce Root - 2008,O=AC Camerfirma S.A.,serialNumber=A82743287,L=Madrid
(see current address at www.camerfirma.com/address),C=EU
# Not Valid Before: Fri Aug 01 12:29:50 2008
# Not Valid After: Sat Jul 31 12:29:50
 2038
# Fingerprint (SHA-256):
06:3E:4A:FA:C4:91:DF:D3:32:F3:08:9B:85:42:E9:46:17:D8:93:D7:FE:94:4E:10:A7:93:7E:E2:9D:96:93:C0
# Fingerprint (SHA1): 78:6A:74:AC:76:AB:14:7F:9C:6A:30:50:BA:9E:A8:7E:FE:9A:CE:3C
CKA CLASS CK OBJECT CLASS CKO CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA MODIFIABLE CK BBOOL CK FALSE
CKA_LABEL UTF8 "Chambers of Commerce Root - 2008"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA SUBJECT MULTILINE OCTAL
\label{eq:condition} $$ \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 \\ 144 \\ 144 \\ 144 \\ 164 \\ 164 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 167 \\ 1
\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
\label{eq:condition} $$ 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\051\060\047\006\003\125\004\003\023
\040\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\040\055\040\062\060\060
\070
END
CKA ID
 UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\201\256\061\013\060\011\006\003\125\004\006\023\002\105\125
\061\103\060\101\006\003\125\004\007\023\072\115\141\144\162\151
\144\040\050\163\145\145\040\143\165\162\162\145\156\164\040\141
\144\144\162\145\163\163\040\141\164\040\167\167\167\056\143\141
\155\145\162\146\151\162\155\141\056\143\157\155\057\141\144\144
\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\051\060\047\006\003\125\004\003\023 \040\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\040\055\040\062\060\060 \070

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\002\011\000\243\332\102\176\244\261\256\332

END

CKA VALUE

MULTILINE OCTAL

 $\label{eq:condition} $$ \0.060\202\007\117\060\202\005\067\240\003\002\001\002\002\011\000$ $\label{eq:condition} $\244\332\102\176\244\261\256\332\060\015\006\011\052\206\110\206$ \367\015\001\001\005\005\000\060\201\256\061\013\060\011\006\003 \125\004\006\023\002\105\125\061\103\060\101\006\003\125\004\007 $\label{eq:condition} $$ \023\072\115\141\144\162\151\144\040\050\163\145\145\040\143\165$$ \162\162\145\156\164\040\141\144\144\162\145\163\163\040\141\164 $\\ \langle 040 \rangle 167 \rangle 167 \rangle 167 \rangle 056 \rangle 143 \rangle 141 \rangle 155 \rangle 145 \rangle 162 \rangle 146 \rangle 151 \rangle 162 \rangle 155 \rangle 141 \rangle 056$ \143\157\155\057\141\144\144\162\145\163\163\051\061\022\060\020 \006\003\125\004\005\023\011\101\070\062\067\064\063\062\070\067 $\label{eq:condition} $$ \061\03\060\03\1\006\003\125\004\012\023\022\101\103\040\103\141 $$$ \155\145\162\146\151\162\155\141\040\123\056\101\056\061\051\060 \047\006\003\125\004\003\023\040\103\150\141\155\142\145\162\163 $\\ \\ \langle 040 \rangle 157 \rangle 146 \langle 040 \rangle 103 \rangle 157 \rangle 155 \rangle 145 \rangle 162 \rangle 143 \rangle 145 \rangle 040 \rangle 122 \rangle 157 \rangle 157$ \164\040\055\040\062\060\060\070\060\036\027\015\060\070\060\070 \060\061\061\062\062\071\065\060\132\027\015\063\070\060\067\063 \061\061\062\062\071\065\060\132\060\201\256\061\013\060\011\006 \003\125\004\006\023\002\105\125\061\103\060\101\006\003\125\004 \007\023\072\115\141\144\162\151\144\040\050\163\145\145\040\143 \165\162\162\145\156\164\040\141\144\144\162\145\163\163\040\141 \164\040\167\167\167\056\143\141\155\145\162\146\151\162\155\141 $\label{eq:condition} $$ \056\143\157\155\057\141\144\144\162\145\163\163\051\061\022\060$$$ \020\006\003\125\004\005\023\011\101\070\062\067\064\063\062\070 \067\061\033\060\031\006\003\125\004\012\023\022\101\103\040\103 \141\155\145\162\146\151\162\155\141\040\123\056\101\056\061\051 \060\047\006\003\125\004\003\023\040\103\150\141\155\142\145\162 \163\040\157\146\040\103\157\155\155\145\162\143\145\040\122\157 \157\164\040\055\040\062\060\060\070\060\202\002\042\060\015\006 $\label{eq:condition} $$ \011\052\206\110\206\367\015\001\001\001\005\000\003\202\002\017 $$$ $\label{eq:condition} $$ \000\060\202\002\001\000\257\000\313\160\067\053 $$$ \200\132\112\072\154\170\224\175\243\177\032\037\366\065\325\275 \333\313\015\104\162\076\046\262\220\122\272\143\073\050\130\157 \245\263\155\224\246\363\335\144\014\125\366\366\347\362\042\042 \200\136\341\142\306\266\051\341\201\154\362\277\345\175\062\152 \124\240\062\031\131\376\037\213\327\075\140\206\205\044\157\343 \021\263\167\076\040\226\065\041\153\263\010\331\160\056\144\367 \204\222\123\326\016\260\220\212\212\343\207\215\006\323\275\220 \016\342\231\241\033\206\016\332\232\012\273\013\141\120\006\122 \361\236\177\166\354\313\017\320\036\015\317\231\060\075\034\304

\105\020\130\254\326\323\350\327\345\352\305\001\007\167\326\121 \346\003\177\212\110\245\115\150\165\271\351\274\236\116\031\161 \365\062\113\234\155\140\031\013\373\314\235\165\334\277\046\315 \217\223\170\071\171\163\136\045\016\312\134\353\167\022\007\313 \144\101\107\162\223\253\120\303\353\011\166\144\064\322\071\267 $\label{eq:condition} $$ 166\021\011\015\166\105\304\251\256\075\152\257\265\175\145\057$$ \224\130\020\354\134\174\257\176\342\266\030\331\320\233\116\132 \111\337\251\146\013\314\074\306\170\174\247\234\035\343\316\216 $\label{eq:condition} $$ 123\276\005\336\140\017\153\345\032\333\077\343\341\041\311\051$ \301\361\353\007\234\122\033\001\104\121\074\173\045\327\304\345 \122\124\135\045\007\312\026\040\270\255\344\101\356\172\010\376 \231\157\203\246\221\002\260\154\066\125\152\347\175\365\226\346 \312\201\326\227\361\224\203\351\355\260\261\153\022\151\036\254 \373\135\251\305\230\351\264\133\130\172\276\075\242\104\072\143 \131\324\013\045\336\033\117\275\345\001\236\315\322\051\325\237 \027\031\012\157\277\014\220\323\011\137\331\343\212\065\314\171 \132\115\031\067\222\267\304\301\255\257\364\171\044\232\262\001 \013\261\257\134\226\363\200\062\373\134\075\230\361\240\077\112 \336\276\257\224\056\331\125\232\027\156\140\235\143\154\270\143 \311\256\201\134\030\065\340\220\273\276\074\117\067\042\271\176 \353\317\236\167\041\246\075\070\201\373\110\332\061\075\053\343 \211\365\320\265\275\176\340\120\304\022\211\263\043\232\020\061 $\label{eq:condition} $$ \205\333\256\157\357\070\063\030\166\021\002\003\001\000\001\243$ \202\001\154\060\202\001\150\060\022\006\003\125\035\023\001\001 \377\004\010\060\006\001\001\377\002\001\014\060\035\006\003\125 \035\016\004\026\004\024\371\044\254\017\262\265\370\171\300\372 \140\210\033\304\331\115\002\236\027\031\060\201\343\006\003\125 \035\043\004\201\333\060\201\330\200\024\371\044\254\017\262\265 \370\171\300\372\140\210\033\304\331\115\002\236\027\031\241\201 \264\244\201\261\060\201\256\061\013\060\011\006\003\125\004\006 $\label{eq:condition} $$ \023\002\105\125\061\103\060\101\006\003\125\004\007\023\072\115$$ \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\051\060\047\006\003 $\\ \\ 040\\ \\ 103\\ \\ 157\\ \\ 155\\ \\ 155\\ \\ 145\\ \\ 162\\ \\ 143\\ \\ 145\\ \\ 040\\ \\ 122\\ \\ 157\\ \\ 157\\ \\ 164\\ \\ 040\\ \\ 055$ \040\062\060\060\070\202\011\000\243\332\102\176\244\261\256\332 \060\016\006\003\125\035\017\001\001\377\004\004\003\002\001\006 \060\075\006\003\125\035\040\004\066\060\064\060\062\006\004\125 \035\040\000\060\052\060\050\006\010\053\006\001\005\005\007\002 $\label{eq:condition} $$ \001\026\034\150\164\164\160\072\057\057\160\157\154\151\143\171$ \056\143\141\155\145\162\146\151\162\155\141\056\143\157\155\060 \015\006\011\052\206\110\206\367\015\001\001\005\005\000\003\202 \002\001\000\220\022\257\042\065\302\243\071\360\056\336\351\265

\351\170\174\110\276\077\175\105\222\136\351\332\261\031\374\026 \074\237\264\133\146\236\152\347\303\271\135\210\350\017\255\317 \043\017\336\045\072\136\314\117\245\301\265\055\254\044\322\130 $\label{eq:condition} $$ \007\336\242\317\151\204\140\063\350\020\015\023\251\043\320\205$ \345\216\173\246\236\075\162\023\162\063\365\252\175\306\143\037 \010\364\376\001\177\044\317\053\054\124\011\336\342\053\155\222 \306\071\117\026\352\074\176\172\106\324\105\152\106\250\353\165 \202\126\247\253\240\174\150\023\063\366\235\060\360\157\047\071 \044\043\052\220\375\220\051\065\362\223\337\064\245\306\367\370 \357\214\017\142\112\174\256\323\365\124\370\215\266\232\126\207 $\label{eq:condition} $$ \026\202\072\063\253\132\042\010\367\202\272\352\056\340\107\232$ \264\265\105\243\005\073\331\334\056\105\100\073\352\334\177\350 \073\353\321\354\046\330\065\244\060\305\072\254\127\236\263\166 $\label{eq:condition} $$ \245\040\173\371\036\112\005\142\001\246\050\165\140\227\222\015$$ $\label{eq:condition} $$ \frac{156}{076}\frac{103}{015}\frac{222}{025}\frac{34}{030}\frac{42}{315}\frac{121}{231}\frac{240}{051}$$$ \032\074\137\212\062\063\133\060\307\211\057\107\230\017\243\003 \306\366\361\254\337\062\360\331\201\032\344\234\275\366\200\024 \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 $\label{eq:condition} $$ \012\212\171\260\075\003\177\151\113\364\064\040\175\263\064\352 $$$ \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 $\label{eq:condition} $$ \031\272\145\212\346\276\325\134\323\066\327\357\100\122\044\140 $$$ \070\147\004\061\354\217\363\202\306\336\271\125\363\073\061\221 \132\334\265\010\025\255\166\045\012\015\173\056\207\342\014\246 $\label{eq:condition} $$ \006\274\046\020\155\067\235\354\335\170\214\174\200\305\360\331 $$$ \167\110\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 "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
\170\152\164\254\166\253\024\177\234\152\060\120\272\236\250\176
\376\232\316\074
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\136\200\236\204\132\016\145\013\027\002\363\125\030\052\076\327
END
CKA_ISSUER MULTILINE_OCTAL
\060\201\256\061\013\060\011\006\003\125\004\006\023\002\105\125
\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
\141\040\123\056\101\056\061\051\060\047\006\003\125\004\003\023
\040\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\040\055\040\062\060\060
\070
END
CKA SERIAL NUMBER
MULTILINE OCTAL
\label{eq:condition} $$ \002\011\000\243\332\102\176\244\261\256\332 $$
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
"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

 $\label{eq:condition} $$ \060\201\254\061\013\060\011\006\003\125\004\006\023\002\105\125$$

 $\label{eq:condition} $$ \061\103\060\101\006\003\125\004\007\023\072\115\141\144\162\151 $$$

 $\\ 144 \\ 040 \\ 050 \\ 163 \\ 145 \\ 145 \\ 040 \\ 143 \\ 165 \\ 162 \\ 162 \\ 145 \\ 156 \\ 164 \\ 040 \\ 141 \\ 141 \\ 142 \\ 143 \\ 143 \\ 144 \\ 1$

 $\\ 144 \\ 144 \\ 162 \\ 145 \\ 163 \\ 163 \\ 040 \\ 141 \\ 164 \\ 040 \\ 167 \\ 167 \\ 167 \\ 056 \\ 143 \\ 141 \\ 164 \\ 167 \\ 1$

\155\145\162\146\151\162\155\141\056\143\157\155\057\141\144\144

 $\label{eq:condition} $$ 162\145\163\163\051\061\022\060\020\006\003\125\004\005\023\011 $$$

\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_ID

UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

 $\label{eq:control_co$

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

 $\\002\\011\\000\\311\\315\\323\\351\\325\\175\\043\\316$

END

CKA_VALUE MULTILINE_OCTAL

\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\060\036\027\015\060\070\060\070\060\061 $\label{eq:condition} $$ \061\062\063\061\064\060\132\027\015\063\070\060\067\063\061\061$ \062\063\061\064\060\132\060\201\254\061\013\060\011\006\003\125 \004\006\023\002\105\125\061\103\060\101\006\003\125\004\007\023 $\\ \begin{tabular}{l} $0.72 \times 1.15 \times 1.41 \times 1.44 \times 1.62 \times 1.51 \times 1.44 \times 0.40 \times 0.50 \times 1.63 \times 1.45 \times 1.45 \times 0.40 \times 1.43 \times 1.65 \times 1.62 \times 0.46 \times 1.44 \times 1.44 \times 1.62 \times 1.44 \times$ \162\145\156\164\040\141\144\144\162\145\163\163\040\141\164\040 \157\155\057\141\144\144\162\145\163\163\051\061\022\060\020\006 \003\125\004\005\023\011\101\070\062\067\064\063\062\070\067\061 $\label{eq:condition} $$ \03\060\031\006\003\125\004\012\023\022\101\103\040\103\141\155$$ \145\162\146\151\162\155\141\040\123\056\101\056\061\047\060\045 \006\003\125\004\003\023\036\107\154\157\142\141\154\040\103\150 $\\ 141\\155\\142\\145\\162\\163\\151\\147\\156\\040\\122\\157\\157\\164\\040\\055$ \040\062\060\060\070\060\202\002\042\060\015\006\011\052\206\110 \206\367\015\001\001\001\005\000\003\202\002\017\000\060\202\002 $\label{eq:condition} $$ \012\02\202\002\001\000\300\337\126\323\344\072\233\166\105\264 $$$ \023\333\377\301\266\031\213\067\101\030\225\122\107\353\027\235 $\label{eq:condition} $$ \051\210\216\065\154\006\062\056\107\142\363\111\004\277\175\104$$$ \066\261\161\314\275\132\011\163\325\331\205\104\377\221\127\045 \337\136\066\216\160\321\134\161\103\035\331\332\357\134\322\373 $\label{eq:condition} $$ \033\275\072\265\313\255\243\314\104\247\015\256\041\025\077\271 $$$ \172\133\222\165\330\244\022\070\211\031\212\267\200\322\342\062 \157\126\234\221\326\210\020\013\263\164\144\222\164\140\363\366 \317\030\117\140\262\043\320\307\073\316\141\113\231\217\302\014 \320\100\262\230\334\015\250\116\243\271\012\256\140\240\255\105 \122\143\272\146\275\150\340\371\276\032\250\201\273\036\101\170 \165\323\301\376\000\125\260\207\124\350\047\220\065\035\114\063 \255\227\374\227\056\230\204\277\054\311\243\277\321\230\021\024 \355\143\370\312\230\210\130\027\231\355\105\003\227\176\074\206 \036\210\214\276\362\221\204\217\145\064\330\000\114\175\267\061 $\label{eq:condition} $$ \027\132\051\172\012\030\044\060\243\067\265\172\251\001\175\046 $$$ $\label{eq:condition} $$ 326\371\016\216\131\361\375\033\063\265\051\073\027\073\101\266 $$$ $\\ \\ \langle 041 \rangle 335 \rangle 324 \rangle 300 \rangle 075 \rangle 245 \rangle 237 \rangle 237 \rangle 037 \rangle 103 \rangle 120 \rangle 311 \rangle 273 \rangle 274 \rangle 154 \rangle 172 \rangle 172 \rangle 173 \rangle 173$ \227\230\356\315\214\037\373\234\121\256\213\160\275\047\237\161 \300\153\254\175\220\146\350\327\135\072\015\260\325\302\215\325 \310\235\235\301\155\320\320\277\121\344\343\370\303\070\066\256 \326\247\165\346\257\204\103\135\223\222\014\152\007\336\073\035 \230\042\326\254\301\065\333\243\240\045\377\162\265\166\035\336 \155\351\054\146\054\122\204\320\105\222\316\034\345\345\063\035 \334\007\123\124\243\252\202\073\232\067\057\334\335\240\144\351 \346\335\275\256\374\144\205\035\074\247\311\006\336\204\377\153

\350\153\032\074\305\242\263\102\373\213\011\076\137\010\122\307 \142\304\324\005\161\277\304\144\344\370\241\203\350\076\022\233 \250\036\324\066\115\057\161\366\215\050\366\203\251\023\322\141 \301\221\273\110\300\064\217\101\214\113\114\333\151\022\377\120 \224\234\040\203\131\163\355\174\241\362\361\375\335\367\111\323 \103\130\240\126\143\312\075\075\345\065\126\131\351\016\312\040 \314\053\113\223\051\017\002\003\001\000\001\243\202\001\152\060 \202\001\146\060\022\006\003\125\035\023\001\001\377\004\010\060 $\label{eq:condition} $$ \006\001\001\377\002\001\014\060\035\006\003\125\035\016\004\026$ \004\024\271\011\312\234\036\333\323\154\072\153\256\355\124\361 \133\223\006\065\056\136\060\201\341\006\003\125\035\043\004\201 \331\060\201\326\200\024\271\011\312\234\036\333\323\154\072\153 \256\355\124\361\133\223\006\065\056\136\241\201\262\244\201\257 \060\201\254\061\013\060\011\006\003\125\004\006\023\002\105\125 $\label{eq:condition} $$ \061\103\060\101\006\003\125\004\007\023\072\115\141\144\162\151 $$$ \144\040\050\163\145\145\040\143\165\162\162\145\156\164\040\141 $\\ 144 \\ 144 \\ 162 \\ 145 \\ 163 \\ 163 \\ 040 \\ 141 \\ 164 \\ 040 \\ 167 \\ 167 \\ 167 \\ 056 \\ 143 \\ 141 \\ 144 \\ 1$ \155\145\162\146\151\162\155\141\056\143\157\155\057\141\144\144 \162\145\163\163\051\061\022\060\020\006\003\125\004\005\023\011 \101\070\062\067\064\063\062\070\067\061\033\060\031\006\003\125 \004\012\023\022\101\103\040\103\141\155\145\162\146\151\162\155 \141\040\123\056\101\056\061\047\060\045\006\003\125\004\003\023 $\\ \\ 036\\ \\ 107\\ \\ 154\\ \\ 157\\ \\ 142\\ \\ 141\\ \\ 154\\ \\ 040\\ \\ 103\\ \\ 150\\ \\ 141\\ \\ 155\\ \\ 142\\ \\ 145\\ \\ 162\\ \\ 163$ \151\147\156\040\122\157\157\164\040\055\040\062\060\060\070\202 \011\000\311\315\323\351\325\175\043\316\060\016\006\003\125\035 \017\001\001\377\004\004\003\002\001\006\060\075\006\003\125\035 \040\004\066\060\064\060\062\006\004\125\035\040\000\060\052\060 \050\006\010\053\006\001\005\005\007\002\001\026\034\150\164\164 \160\072\057\057\160\157\154\151\143\171\056\143\141\155\145\162 \146\151\162\155\141\056\143\157\155\060\015\006\011\052\206\110 $\label{eq:condition} $$ \206\367\015\001\001\005\000\003\202\002\001\000\200\210\177$ \160\336\222\050\331\005\224\106\377\220\127\251\361\057\337\032 \015\153\372\174\016\034\111\044\171\047\330\106\252\157\051\131 \122\210\160\022\352\335\075\365\233\123\124\157\341\140\242\250 \011\271\354\353\131\174\306\065\361\334\030\351\361\147\345\257 \272\105\340\011\336\312\104\017\302\027\016\167\221\105\172\063 \137\137\226\054\150\213\301\107\217\230\233\075\300\354\313\365 $\label{eq:condition} $$ \frac{325}{202}\frac{204}{065}\frac{321}{276}\frac{066}{070}\frac{126}{162}\frac{162}{061}\frac{133}{107}\frac{55}{252} $$$ $\\027\\244\\143\\121\\353\\012\\001\\255\\177\\354\\165\\236\\313\\241\\037\\361$ $\label{eq:condition} $$ \frac{177}022\\261\\271\\344\\144\\177\\147\\326\\043\\052\\364\\270\\071\\135\\230$ \350\041\247\341\275\075\102\032\164\232\160\257\150\154\120\135 \111\317\377\373\016\135\346\054\107\327\201\072\131\000\265\163 \153\143\040\366\061\105\010\071\016\364\160\176\100\160\132\077 \320\153\102\251\164\075\050\057\002\155\165\162\225\011\215\110 \143\306\306\043\127\222\223\136\065\301\215\371\012\367\054\235 \142\034\366\255\174\335\246\061\036\266\261\307\176\205\046\372 \244\152\265\332\143\060\321\357\223\067\262\146\057\175\005\367 \347\267\113\230\224\065\300\331\072\051\301\235\262\120\063\035

 $\label{eq:controlled} $$ \frac{112\251\132\246\311\003\357\355\364\347\250\156\212\264\127\204\353\244\077\320\356\252\252\207\133\143\350\223\342\153\250\324\270\162\170\153\033\355\071\344\135\313\233\252\207\325\117\116\000\376\331\152\237\074\061\017\050\002\001\175\230\350\247\260\242\144\236\171\370\110\362\025\251\314\346\310\104\353\077\170\231\362\173\161\076\074\361\230\247\305\030\022\077\346\273\050\063\102\351\105\012\174\155\362\206\171\057\305\202\031\175\011\211\174\262\124\166\210\256\336\301\363\314\341\156\333\061\326\223\256\231\240\357\045\152\163\230\211\133\072\056\023\210\036\277\300\222\224\064\033\343\047\267\213\036\157\102\377\347\351\067\233\120\035\055\242\371\002\356\313\130\130\072\161\274\150\343\252\301\257\034\050\037\242\334\043\145\077\201\352\256\231\323\330\060\317\023\015\117\025\311\204\274\247\110\055\370\060\043\167\330\106\113\171\155\366\214\355\072\177\140\021\170\364\351\233\256\325\124\300\164\200\321\013\102\237\301$

END

CKA_NSS_MOZILLA_CA_POLICY

CK BBOOL CK TRUE

CKA_NSS_SERVER_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

\366\326\252\014

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

 $\label{eq:condition} $$ \236\200\377\170\001\014\056\301\066\275\376\226\220\156\010\363$

END

CKA_ISSUER MULTILINE_OCTAL

 $\label{eq:condition} $$ \000\201\254\061\013\060\011\006\003\125\0004\006\023\002\105\125$

 $\label{eq:condition} $$ \061\103\060\101\006\003\125\004\007\023\072\115\141\144\162\151 $$$

```
\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
\label{eq:condition} $$ \frac{162}145\\163\\163\\051\\061\\022\\060\\020\\006\\003\\125\\004\\005\\023\\011
\label{eq:condition} $$ 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
\label{eq:condition} $$ \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
\061\020\060\016\006\003\125\004\010\023\007\101\162\151\172\157
\164\164\163\144\141\154\145\061\032\060\030\006\003\125\004\012
\023\021\107\157\104\141\144\144\171\056\143\157\155\054\040\111
\156\143\056\061\061\060\057\006\003\125\004\003\023\050\107\157
\040\104\141\144\144\171\040\122\157\157\164\040\103\145\162\164
\151\146\151\143\141\164\145\040\101\165\164\150\157\162\151\164
\171\040\055\040\107\062
```

END

CKA ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

 $\label{eq:control} $$ \000\201\203\0061\013\000\011\000\003\125\0004\000\002\0007\101\162\151\172\157\156\141\0061\023\0060\021\0006\0003\125\0004\0007\023\012\123\143\157\164\164\163\144\141\154\145\061\032\060\030\0006\003\125\0004\012\123\143\157\155\054\040\111\156\143\056\061\061\060\057\0006\003\125\0004\003\023\050\107\157\104\141\144\144\171\040\122\157\157\164\040\103\145\162\164\151\146\151\143\141\164\145\040\101\165\164\150\157\162\151\164\171\040\055\040\107\062$

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL \002\001\000

END

CKA_VALUE MULTILINE_OCTAL

\060\202\003\305\060\202\002\255\240\003\002\001\002\002\001\000 $\label{eq:condition} $$ \006\011\052\206\110\206\367\015\001\001\013\005\000\060$$$ \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 $\label{eq:condition} $$ 141\061\023\060\021\006\003\125\004\007\023\012\123\143\157\164$$ \164\163\144\141\154\145\061\032\060\030\006\003\125\004\012\023 \021\107\157\104\141\144\144\171\056\143\157\155\054\040\111\156 \143\056\061\061\060\057\006\003\125\004\003\023\050\107\157\040 \104\141\144\144\171\040\122\157\157\164\040\103\145\162\164\151 $\\ 146 \\ 151 \\ 143 \\ 141 \\ 164 \\ 145 \\ 040 \\ 101 \\ 165 \\ 164 \\ 150 \\ 157 \\ 162 \\ 151 \\ 164 \\ 171 \\$ \040\055\040\107\062\060\036\027\015\060\071\060\071\060\061\060 \060\060\060\060\060\132\027\015\063\067\061\062\063\061\062\063 \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 $\label{eq:condition} $$ \frac{150}{157}\frac{62}{151}\frac{164}{171}\frac{040}{055}\frac{040}{107}\frac{062}{060}\frac{202}{001}\frac{042}{060} $$$ \015\006\011\052\206\110\206\367\015\001\001\001\005\000\003\202 \001\017\000\060\202\001\012\002\202\001\001\000\277\161\142\010 \361\372\131\064\367\033\311\030\243\367\200\111\130\351\042\203 \023\246\305\040\103\001\073\204\361\346\205\111\237\047\352\366 \204\033\116\240\264\333\160\230\307\062\001\261\005\076\007\116 \356\364\372\117\057\131\060\042\347\253\031\126\153\342\200\007 \374\363\026\165\200\071\121\173\345\371\065\266\164\116\251\215 \202\023\344\266\077\251\003\203\372\242\276\212\025\152\177\336 \013\303\266\031\024\005\312\352\303\250\004\224\073\106\174\062

\015\363\000\146\042\310\215\151\155\066\214\021\030\267\323\262 \034\140\264\070\372\002\214\316\323\335\106\007\336\012\076\353 \135\174\310\174\373\260\053\123\244\222\142\151\121\045\005\141 $\label{eq:condition} $$ \032\104\201\214\054\251\103\226\043\337\254\072\201\232\016\051 $$$ $\label{eq:condition} $$ 305 \times 34 \times 135 \times 36 \times 266 \times 236 \times 236 \times 060 \times 12 \times 135 \times 260 \times 200 \times 2$ \373\113\135\314\062\354\205\142\103\045\064\002\126\047\001\221 \264\073\160\052\077\156\261\350\234\210\001\175\237\324\371\333 \123\155\140\235\277\054\347\130\253\270\137\106\374\316\304\033 \003\074\011\353\111\061\134\151\106\263\340\107\002\003\001\000 \001\243\102\060\100\060\017\006\003\125\035\023\001\001\377\004 $\label{eq:condition} $$ \005\060\003\001\001\377\060\016\006\003\125\035\017\001\001\377$ \024\072\232\205\007\020\147\050\266\357\366\275\005\101\156\040 \301\224\332\017\336\060\015\006\011\052\206\110\206\367\015\001 \131\147\003\141\361\176\073\006\061\165\055\241\040\216\117\145 \207\264\367\246\234\274\330\351\057\320\333\132\356\317\164\214 \163\264\070\102\332\005\173\370\002\165\270\375\245\261\327\256 \366\327\336\023\313\123\020\176\212\106\321\227\372\267\056\053 $\label{eq:condition} $$ \220\260\047\200\371\350\237\132\351\067\237\253\344\337 $$$ \154\263\205\027\235\075\331\044\117\171\221\065\326\137\004\353 \200\203\253\232\002\055\265\020\364\330\220\307\004\163\100\355 \162\045\240\251\237\354\236\253\150\022\231\127\306\217\022\072 \011\244\275\104\375\006\025\067\301\233\344\062\243\355\070\350 $\label{eq:condition} $$ \30\144\363\054\176\024\374\002\352\237\315\377\007\150\027\333$ \042\220\070\055\172\215\321\124\361\151\343\137\063\312\172\075 \173\012\343\312\177\137\071\345\342\165\272\305\166\030\063\316 $\label{eq:condition} $$ \054\360\057\114\255\367\261\347\316\117\250\304\233\112\124\006$ \305\177\175\325\010\017\342\034\376\176\027\270\254\136\366\324 \026\262\103\011\014\115\366\247\153\264\231\204\145\312\172\210 \342\342\104\276\134\367\352\034\365

END

CKA NSS MOZILLA CA POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_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):

^{45:14:0}B: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
\label{eq:condition} $$ 107\276\253\311\042\352\350\016\170\170\064\142\247\237\105\302
\124\375\346\213
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\200\072\274\042\301\346\373\215\233\073\047\112\062\033\232\001
END
CKA_ISSUER MULTILINE_OCTAL
\label{eq:condition} $$ \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
\label{eq:condition} $$ \023\021\107\157\104\141\144\144\171\056\143\157\155\054\040\111 $$
\label{eq:condition} $$ \frac{156}{143}056\\061\\060\\1060\\057\\006\\003\\125\\004\\003\\023\\050\\107\\157
\040\104\141\144\144\171\040\122\157\157\164\040\103\145\162\164
\151\146\151\143\141\164\145\040\101\165\164\150\157\162\151\164
\171\040\055\040\107\062
END
CKA_SERIAL_NUMBER
MULTILINE OCTAL
\002\001\000
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
# Certificate "Starfield Root Certificate Authority - G2"
# Issuer: CN=Starfield Root Certificate Authority - G2,O="Starfield Technologies,
Inc.",L=Scottsdale,ST=Arizona,C=US
# Serial Number: 0 (0x0)
# Subject: CN=Starfield Root Certificate Authority - G2,O="Starfield Technologies,
Inc.",L=Scottsdale,ST=Arizona,C=US
# Not Valid Before: Tue Sep 01 00:00:00 2009
# Not Valid After: Thu Dec 31 23:59:59 2037
# Fingerprint (SHA-256):
2C:E1:CB:0B:F9:D2:F9:E1:02:99:3F:BE:21:51:52:C3:B2:DD:0C:AB:DE:1C:68:E5:31:9B:83:91:54:DB:B7:F5
# Fingerprint (SHA1): B5:1C:06:7C:EE:2B:0C:3D:F8:55:AB:2D:92:F4:FE:39:D4:E7:0F:0E
CKA_CLASS
```

CK OBJECT CLASS CKO CERTIFICATE

CKA TOKEN CK BBOOL CK TRUE

CKA PRIVATE CK BBOOL CK FALSE

CKA MODIFIABLE CK BBOOL CK FALSE

CKA_LABEL UTF8 "Starfield Root Certificate Authority - G2"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509 CKA SUBJECT MULTILINE OCTAL

 $\label{eq:control} $$ \000\201\217\061\013\060\011\006\003\125\004\000\002\000\012\1125\1123\1142\1157\1156\1141\061\023\060\021\006\003\125\004\0007\023\012\123\1143\1157\164\164\163\144\1141\154\145\061\045\060\043\006\003\125\004\012\123\164\1141\162\146\151\1145\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\151\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

 $\label{eq:control} $$ \000\201\217\061\013\060\011\006\003\125\004\000\002\000\012\1125\1123\1142\1157\1156\1141\061\023\060\021\006\003\125\004\0007\023\012\123\1143\1157\164\164\163\144\1141\154\145\061\045\060\043\006\003\125\004\012\123\164\1141\162\146\151\1145\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\151\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\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 $\label{eq:condition} $$ \frac{157}156\\141\\061\\023\\060\\021\\006\\003\\125\\004\\007\\023\\012\\123\\143$ \157\164\164\163\144\141\154\145\061\045\060\043\006\003\125\004 \150\156\157\154\157\147\151\145\163\054\040\111\156\143\056\061 \062\060\060\006\003\125\004\003\023\051\123\164\141\162\146\151 \143\141\164\145\040\101\165\164\150\157\162\151\164\171\040\055 \040\107\062\060\202\001\042\060\015\006\011\052\206\110\206\367 \202\001\001\000\275\355\301\003\374\366\217\374\002\261\157\133 \237\110\331\235\171\342\242\267\003\141\126\030\303\107\266\327 \312\075\065\056\211\103\367\241\151\233\336\212\032\375\023\040 \234\264\111\167\062\051\126\375\271\354\214\335\042\372\162\334 $\\ \\ 047\\141\\227\\356\\366\\132\\204\\354\\156\\031\\271\\211\\054\\334\\204\\133$ \325\164\373\153\137\305\211\245\020\122\211\106\125\364\270\165 \034\346\177\344\124\256\113\370\125\162\127\002\031\370\027\161 \131\353\036\050\007\164\305\235\110\276\154\264\364\244\260\363 \144\067\171\222\300\354\106\136\177\341\155\123\114\142\257\315 \037\013\143\273\072\235\373\374\171\000\230\141\164\317\046\202 $\label{eq:condition} $$ 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 $\label{eq:condition} $$ \226\324\046\324\010\004\131\320\230\016\016\346\336\374\303$ \354\037\220\361\002\003\001\000\001\243\102\060\100\060\017\006 \003\125\035\023\001\001\377\004\005\060\003\001\001\377\060\016 $\\ \\006\\003\\125\\035\\017\\001\\001\\377\\004\\004\\003\\002\\001\\000\\000\\000\\035$ \006\003\125\035\016\004\026\004\024\174\014\062\037\247\331\060 \177\304\175\150\243\142\250\241\316\253\007\133\047\060\015\006 \011\052\206\110\206\367\015\001\001\013\005\000\003\202\001\001 \000\021\131\372\045\117\003\157\224\231\073\232\037\202\205\071 \324\166\005\224\136\341\050\223\155\142\135\011\302\240\250\324 \260\165\070\361\064\152\235\344\237\212\206\046\121\346\054\321 $\label{eq:condition} $$ 306\055\156\225\040\112\222\001\354\270\212\147\173\061\342\147$ $\label{eq:condition} $$ \056\214\225\003\046\056\103\235\112\061\366\016\265\014\273\267 $$$ \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 $\label{eq:condition} $$ \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

 $\label{eq:condition} $$\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

 $\label{eq:condition} $$ 326\071\201\306\122\176\226\151\374\374\312\146\355\005\362\226$

END

CKA_ISSUER MULTILINE_OCTAL

 $\label{eq:condition} $$ \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\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

 $\label{eq:condition} $$ \000\000\000\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

END

CKA ID

UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

\150\157\162\151\164\171\040\055\040\107\062

 $\label{eq:control} $$ \000\201\230\061\013\060\011\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\123\143\150\156\157\154\157\147\151\145\163\054\040\111\156\143\056\061\073\154\144\040\123\145\162\166\151\143\145\163\040\122\157\157\164\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 $\label{eq:condition} $$ 141\061\023\060\021\006\003\125\004\007\023\012\123\143\157\164$$ \164\163\144\141\154\145\061\045\060\043\006\003\125\004\012\023 $\\ \\ 034\\ 123\\ 164\\ 141\\ 162\\ 146\\ 151\\ 145\\ 145\\ 144\\ 040\\ 124\\ 145\\ 143\\ 150\\ 156$ $\label{eq:condition} $$ \frac{157}{154}\frac{157}{147}\frac{151}{145}\frac{163}{054}\frac{040}{111}\frac{156}{143}\frac{056}{061}\frac{073}{060} $$$ \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 $\label{eq:condition} $$ \0.060\0.0$ \062\063\061\062\063\065\071\065\071\132\060\201\230\061\013\060 \011\006\003\125\004\006\023\002\125\123\061\020\060\016\006\003 $\label{eq:condition} $$ 125\004\010\023\007\101\162\151\172\157\156\141\061\023\060\021 $$$ \006\003\125\004\007\023\012\123\143\157\164\164\163\144\141\154 \145\061\045\060\043\006\003\125\004\012\023\034\123\164\141\162 \146\151\145\154\144\040\124\145\143\150\156\157\154\157\147\151 \145\163\054\040\111\156\143\056\061\073\060\071\006\003\125\004 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \040\055\040\107\062\060\202\001\042\060\015\006\011\052\206\110 $$$ \206\367\015\001\001\001\005\000\003\202\001\017\000\060\202\001 \012\002\202\001\001\000\325\014\072\304\052\371\116\342\365\276 \031\227\137\216\210\123\261\037\077\313\317\237\040\023\155\051 \072\310\017\175\074\367\153\166\070\143\331\066\140\250\233\136 \134\000\200\262\057\131\177\366\207\371\045\103\206\347\151\033 \122\232\220\341\161\343\330\055\015\116\157\366\310\111\331\266 \363\032\126\256\053\266\164\024\353\317\373\046\343\032\272\035 \226\056\152\073\130\224\211\107\126\377\045\240\223\160\123\203 \332\204\164\024\303\147\236\004\150\072\337\216\100\132\035\112 \116\317\103\221\073\347\126\326\000\160\313\122\356\173\175\256 \072\347\274\061\371\105\366\302\140\317\023\131\002\053\200\314 \064\107\337\271\336\220\145\155\002\317\054\221\246\246\347\336 \205\030\111\174\146\116\243\072\155\251\265\356\064\056\272\015 \003\270\063\337\107\353\261\153\215\045\331\233\316\201\321\105 \106\062\226\160\207\336\002\016\111\103\205\266\154\163\273\144 \352\141\101\254\311\324\124\337\207\057\307\042\262\046\314\237 $\label{eq:condition} $$ 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 $\label{eq:condition} $$ \000\003\125\003\016\004\026\004\024\234\137\000\337\252 $$$ $\label{eq:condition} $$ \001\327\060\053\070\210\242\270\155\112\234\362\021\221\203\060 $$$ \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 $\label{eq:condition} $$ \267 \040 \175 \115 \274 \172 \125 \022 \302 \025 \352 \275 \367 \152 \225 \056$ \154\164\237\317\034\264\362\305\001\243\205\320\162\076\255\163 \253\013\233\165\014\155\105\267\216\224\254\226\067\265\240\320 \217\025\107\016\343\350\203\335\217\375\357\101\001\167\314\047 \251\142\205\063\362\067\010\357\161\317\167\006\336\310\031\035 \210\100\317\175\106\035\377\036\307\341\316\377\043\333\306\372 \215\125\116\251\002\347\107\021\106\076\364\375\275\173\051\046 \273\251\141\142\067\050\266\055\052\366\020\206\144\311\160\247 \322\255\267\051\160\171\352\074\332\143\045\237\375\150\267\060 \354\160\373\165\212\267\155\140\147\262\036\310\271\351\330\250 $\label{eq:condition} $$ \frac{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):

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:C6:E5:29:0F:CB:2A:E6:3E:DA:B5:C6:E5:29:0F:CB:2A:E6:3E:DA:B5:C6:E5:29:0F:CB:2A:E6:3E:DA:B5:C6:E5:29:0F:CB:2A:E6:3E:DA:B5:C6:E5:29:0F:CB:2A:E6:3E:DA:B5:C6:E5:29:0F:CB:2A:E6:3E:DA:B5:C6:E5:29:0F:CB:2A:E6:3E:DA:B5:C6:E5:29:0F:CB:2A:E6:3E:DA:B5:C6:E5:29:0F:CB:2A:E6:3E:DA:B5:DA:B5:C6:E5:29:0F:CB:2A:E6:3E:DA:B5:DA:B5:C6:E5:29:0F:CB:2A:E6:3E:DA:B5:DA:B

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
\label{eq:condition} $$ \027\065\164\257\173\141\034\353\364\371\074\342\356\100\371\242
END
CKA ISSUER MULTILINE OCTAL
\060\201\230\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\020\060\016\006\003\125\004\010\023\007\101\162\151\172\157
\156\141\061\023\060\021\006\003\125\004\007\023\012\123\143\157
\164\164\163\144\141\154\145\061\045\060\043\006\003\125\004\012
\label{eq:condition} $$ \023\034\123\164\141\162\146\151\145\154\144\040\124\145\143\150$
\label{eq:condition} $$ \frac{156}{157}\frac{47}{157}\frac{147}{151}\frac{145}{163}\frac{054}{040}\frac{111}{156}\frac{143}{056}\frac{061}{073} $$
\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
```

\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 $\label{eq:condition} $$ \061\060\061\062\071\061\064\060\066\060\066\132\027\015\063$ \060\061\062\063\061\061\064\060\066\060\066\132\060\104\061\013 \060\011\006\003\125\004\006\023\002\125\123\061\024\060\022\006 \003\125\004\012\014\013\101\146\146\151\162\155\124\162\165\163 \164\061\037\060\035\006\003\125\004\003\014\026\101\146\146\151 \162\155\124\162\165\163\164\040\103\157\155\155\145\162\143\151 \141\154\060\202\001\042\060\015\006\011\052\206\110\206\367\015 \001\001\001\005\000\003\202\001\017\000\060\202\001\012\002\202 \001\001\000\366\033\117\147\007\053\241\025\365\006\042\313\037 \001\262\343\163\105\006\104\111\054\273\111\045\024\326\316\303 \267\253\054\117\306\101\062\224\127\372\022\247\133\016\342\217 \037\036\206\031\247\252\265\055\271\137\015\212\302\257\205\065 \171\062\055\273\034\142\067\362\261\133\112\075\312\315\161\137 \351\102\276\224\350\310\336\371\042\110\144\306\345\253\306\053 \155\255\005\360\372\325\013\317\232\345\360\120\244\213\073\107 \245\043\133\172\172\370\063\077\270\357\231\227\343\040\301\326 $\label{eq:condition} $$ \050\211\317\224\373\271\105\355\343\100\027\021\324\164\360\013$ $\label{eq:condition} $$ \061\342\053\046\152\233\114\127\256\254\040\076\272\105\172\005$$ \363\275\233\151\025\256\175\116\040\143\304\065\166\072\007\002 $\label{eq:condition} $$ \frac{311}067\frac{375}307\frac{356}350\frac{361}{166}\frac{35}{163}\frac{35}{362}\frac{227}244\frac{265}{362} $$$ \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 $\label{eq:condition} $$ \052\206\110\206\367\015\001\001\013\005\000\003\202\001\001\000$ \130\254\364\004\016\315\300\015\377\012\375\324\272\026\137\051 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \065\264\073\331\327\135\060\375\201\023\211\362\302\006\053\355$ \147\304\216\311\103\262\134\153\025\211\002\274\142\374\116\362 \265\063\252\262\157\323\012\242\120\343\366\073\350\056\104\302 $\label{eq:condition} $$ 33\146\070\251\063\126\110\361\155\033\063\215\015\214\077\140 $$$ \067\235\323\312\155\176\064\176\015\237\162\166\213\033\237\162 $\label{eq:condition} $$ \frac{375}122 \cdot 065 \cdot 101 \cdot 105 \cdot 002 \cdot 226 \cdot 057 \cdot 034 \cdot 262 \cdot 232 \cdot 163 \cdot 111 \cdot 041 \cdot 261 \cdot 041 \cdot 041$ \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

 $\label{eq:condition} $$ \frac{371\265\266\062\105\137\234\276\354\127\137\200\334\351\156\054}{307\262\170\267}$

END

CKA_CERT_MD5_HASH

MULTILINE_OCTAL

\202\222\272\133\357\315\212\157\246\075\125\371\204\366\326\267

END

```
CKA ISSUER MULTILINE OCTAL
\060\104\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\024\060\022\006\003\125\004\012\014\013\101\146\146\151\162\155
\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

 $\label{eq:condition} $$ \060\202\003\114\060\202\002\064\240\003\002\001\002\002\010\174$ \117\004\071\034\324\231\055\060\015\006\011\052\206\110\206\367 \015\001\001\005\005\000\060\104\061\013\060\011\006\003\125\004 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ 164\040\116\145\164\167\157\162\153\151\156\147\060\036\027\015$$ \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 \003\125\004\012\014\013\101\146\146\151\162\155\124\162\165\163 $\label{eq:condition} $$ 164 \cdot 061 \cdot 037 \cdot 060 \cdot 035 \cdot 006 \cdot 003 \cdot 125 \cdot 004 \cdot 003 \cdot 014 \cdot 026 \cdot 101 \cdot 146 \cdot 146 \cdot 151 \cdot 008 \cdot 008$ \162\155\124\162\165\163\164\040\116\145\164\167\157\162\153\151 \156\147\060\202\001\042\060\015\006\011\052\206\110\206\367\015 $\label{eq:condition} $$ \001\001\005\000\003\202\001\017\000\060\202\001\012\002\202 $$$ \001\001\000\264\204\314\063\027\056\153\224\154\153\141\122\240 \353\243\317\171\224\114\345\224\200\231\313\125\144\104\145\217 \147\144\342\006\343\134\067\111\366\057\233\204\204\036\055\362 \140\235\060\116\314\204\205\342\054\317\036\236\376\066\253\063 \167\065\104\330\065\226\032\075\066\350\172\016\330\325\107\241 \152\151\213\331\374\273\072\256\171\132\325\364\326\161\273\232 \220\043\153\232\267\210\164\207\014\036\137\271\236\055\372\253 \123\053\334\273\166\076\223\114\010\010\214\036\242\043\034\324 \152\255\042\272\231\001\056\155\145\313\276\044\146\125\044\113 \100\104\261\033\327\341\302\205\300\336\020\077\075\355\270\374 $\label{eq:condition} $$ 361 \ 361 \ 361 \ 334 \ 277 \ 145 \ 227 \ 157 \ 331 \ 371 \ 100 \ 161 \ 215 \ 175 \ 275 $$$ \225\324\316\276\240\136\047\043\336\375\246\320\046\016\000\051 \353\074\106\360\075\140\277\077\120\322\334\046\101\121\236\024 \067\102\004\243\160\127\250\033\207\355\055\372\173\356\214\012 \343\251\146\211\031\313\101\371\335\104\066\141\317\342\167\106 \310\175\366\364\222\201\066\375\333\064\361\162\176\363\014\026 \275\264\025\002\003\001\000\001\243\102\060\100\060\035\006\003 \125\035\016\004\026\004\024\007\037\322\347\234\332\302\156\242 $\label{eq:condition} $$ 100\264\260\172\120\020\120\164\304\310\275\060\017\006\003\125 $$$ $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \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

 $\label{eq:control_loca$

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

 $\label{eq:condition} $$ \051\066\041\002\213\040\355\002\365\146\305\062\321\326\355\220 $$$

\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

 $\label{eq:condition} $$ \060\104\061\013\060\011\006\003\125\004\006\023\002\125\123\061$$$

\024\060\022\006\003\125\004\012\014\013\101\146\146\151\162\155

\157\162\153\151\156\147

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

 $\label{eq:condition} $$ \002\010\174\117\004\071\034\324\231\055$$

```
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

END

CKA_ID UTF8 "0"

CKA ISSUER MULTILINE OCTAL

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\002\010\155\214\024\106\261\246\012\356

END

CKA_VALUE MULTILINE_OCTAL

 $\label{eq:condition} $$ \000\202\005\106\060\202\003\005\240\003\002\001\002\000\010\155 $$ \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 \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 $\label{eq:condition} $$ \006\011\052\206\110\206\367\015\001\001\001\005\000\003$ \202\002\017\000\060\202\002\012\002\202\002\001\000\304\022\337 \251\137\376\101\335\335\365\237\212\343\366\254\341\074\170\232 $\label{eq:condition} $$ \274\330\360\177\172\240\063\052\334\215\040\133\256\055\157\347 $$$ \223\331\066\160\152\150\317\216\121\243\205\133\147\004\240\020 $\\ \\ 044\\157\\135\\050\\202\\301\\227\\127\\330\\110\\051\\023\\266\\341\\276\\221$ \115\337\205\014\123\030\232\036\044\242\117\217\360\242\205\013 \313\364\051\177\322\244\130\356\046\115\311\252\250\173\232\331 $\label{eq:condition} $$ \372\070\336\104\127\025\345\370\214\310\331\110\342\015\026\047 $$ \035\036\310\203\205\045\267\272\252\125\101\314\003\042\113\055 \221\215\213\346\211\257\146\307\351\377\053\351\074\254\332\322 \263\303\341\150\234\211\370\172\000\126\336\364\125\225\154\373 \272\144\335\142\213\337\013\167\062\353\142\314\046\232\233\273 \252\142\203\114\264\006\172\060\310\051\277\355\006\115\227\271 $\label{eq:condition} $$ \034\304\061\053\325\137\274\123\022\027\234\231\127\051\146\167 $$$ \141\041\061\007\056\045\111\235\030\362\356\363\053\161\214\265 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \frac{121}247\sqrt{3}21\sqrt{4}2\sqrt{3}04\sqrt{0}12\sqrt{2}47\sqrt{0}70\sqrt{1}10\sqrt{1}54\sqrt{2}63\sqrt{3}71\sqrt{3}77\sqrt{1}75\sqrt{2}53\sqrt{2}06$ \127\343\272\326\205\170\167\272\103\352\110\177\366\330\276\043 \155\036\277\321\066\154\130\134\361\356\244\031\124\032\365\003 $\label{eq:condition} $$ 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 $\\ \\ 047\\ \\ 063\\ \\ 277\\ \\ 350\\ \\ 103\\ \\ 107\\ \\ 106\\ \\ 322\\ \\ 010\\ \\ 231\\ \\ 026\\ \\ 140\\ \\ 073\\ \\ 232\\ \\ 176\\ \\ 322\\ \\ 322\\ \\ 176\\ \\ 322$ \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 $\label{eq:condition} $$ \013\131\304\131\062\167\263\274\140\151\126\071\375\264\006\173$ $\label{eq:condition} $$ \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 \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 $\label{eq:condition} $$ \066\336\174\017\151\023\210\245\165\066\230\010\246\306\337\254$$$ \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 $\label{eq:condition} $$ \060\244\216\310\004\142\251\304\355\065\336\172\227\355\016\070$$$ $\label{eq:condition} $$ \frac{222}057\\223\\160\\245\\251\\234\\157\\247\\175\\023\\035\\176\\306\\010$ \110\261\136\147\353\121\010\045\351\346\045\153\122\051\221\234 \322\071\163\010\127\336\231\006\264\133\235\020\006\341\302\000 \250\270\034\112\002\012\024\320\301\101\312\373\214\065\041\175 \202\070\362\251\124\221\031\065\223\224\155\152\072\305\262\320 \273\211\206\223\350\233\311\017\072\247\172\270\241\360\170\106 \372\374\067\057\345\212\204\363\337\376\004\331\241\150\240\057 \044\342\011\225\006\325\225\312\341\044\226\353\174\366\223\005 \273\355\163\351\055\321\165\071\327\347\044\333\330\116\137\103 \217\236\320\024\071\277\125\160\110\231\127\061\264\234\356\112 \230\003\226\060\037\140\006\356\033\043\376\201\140\043\032\107 $\\ 142 \\ 205 \\ 245 \\ 314 \\ 031 \\ 064 \\ 200 \\ 157 \\ 263 \\ 254 \\ 032 \\ 343 \\ 237 \\ 360 \\ 173 \\ 110$ \255\325\001\331\147\266\251\162\223\352\055\146\265\262\270\344 $\label{eq:condition} $$ \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"
```

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

[#] 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):

```
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
\label{eq:condition} $$ \060\101\061\013\060\011\006\003\125\004\006\023\002\125\123\061 $$
\124\162\165\163\164\061\034\060\032\006\003\125\004\003\014\023
\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
```

CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE

\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

END

CKA SERIAL NUMBER

MULTILINE_OCTAL

 $\label{eq:condition} $$ \002\010\164\227\045\212\307\077\172\124 $$$

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 \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 \162\145\155\151\165\155\040\105\103\103\060\036\027\015\061\060 \060\061\062\071\061\064\062\060\062\064\132\027\015\064\060\061 \062\063\061\061\064\062\060\062\064\132\060\105\061\013\060\011 \006\003\125\004\006\023\002\125\123\061\024\060\022\006\003\125 \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 $\label{eq:condition} $$ \03125\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
\label{eq:condition} $$ \270\043\153\000\057\035\026\206\123\001\125\154\021\244\067\312
\353\377\303\273
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\144\260\011\125\317\261\325\231\342\276\023\253\246\135\352\115
END
CKA_ISSUER MULTILINE_OCTAL
\060\105\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\024\060\022\006\003\125\004\012\014\013\101\146\146\151\162\155
\124\162\165\163\164\061\040\060\036\006\003\125\004\003\014\027
\151\165\155\040\105\103\103
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\label{eq:condition} $$ \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

 $\label{eq:condition} $$ \00176\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\155\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

 $\label{eq:condition} $$ \000176\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\123\145\163\145\163\164\165\165\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\16ND$

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

\002\003\004\104\300

END

CKA_VALUE MULTILINE_OCTAL

 $\label{eq:condition} $$ \000\200\3\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 $\label{eq:condition} $$ 164\157\040\124\145\143\150\156\157\154\157\147\151\145\163\040$$ \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 \162\165\163\164\145\144\040\116\145\164\167\157\162\153\040\103 $\label{eq:condition} $$ 101\060\202\001\042\060\015\006\011\052\206\110\206\367\015\001$ \001\001\005\000\003\202\001\017\000\060\202\001\012\002\202\001 \001\000\343\373\175\243\162\272\302\360\311\024\207\365\153\001 \116\341\156\100\007\272\155\047\135\177\367\133\055\263\132\307 \121\137\253\244\062\246\141\207\266\156\017\206\322\060\002\227 \370\327\151\127\241\030\071\135\152\144\171\306\001\131\254\074 $\label{eq:condition} $$ \061\112\070\174\322\004\322\113\050\350\040\137\073\007\242\314$$$ \115\163\333\363\256\117\307\126\325\132\247\226\211\372\363\253 \150\324\043\206\131\047\317\011\047\274\254\156\162\203\034\060 \162\337\340\242\351\322\341\164\165\031\275\052\236\173\025\124 \004\033\327\103\071\255\125\050\305\342\032\273\364\300\344\256 $\label{eq:condition} $$ \070\111\063\314\166\205\237\071\105\322\244\236\362\022\214\121 $$$ \370\174\344\055\177\365\254\137\353\026\237\261\055\321\272\314 \221\102\167\114\045\311\220\070\157\333\360\314\373\216\036\227 $\label{eq:condition} $$ \frac{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 $\label{eq:condition} $$ \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 $\\ \langle 043 \rangle 323 \rangle \langle 000 \rangle 340 \rangle 154 \rangle 126 \rangle \langle 057 \rangle 341 \rangle 151 \rangle \langle 015 \rangle \langle 331 \rangle \langle 252 \rangle \langle 277 \rangle \langle 041 \rangle \langle 2011 \rangle \langle 2111 \rangle \langle 2111$ \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 $\\ \\047\\324\\107\\215\\272\\015\\106\\034\\167\\317\\024\\244\\034\\271\\244\\061$

 $\label{eq:control_co$

CKA NSS MOZILLA CA POLICY

CK_BBOOL CK_TRUE

END

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

 $\label{eq:condition} $$ \007\340\062\340\040\267\054\077\031\057\006\050\242\131\072\031\$

 $\verb| 247| 017| 006| 236|$

END

CKA_CERT_MD5_HASH

MULTILINE OCTAL

 $\label{eq:condition} $$ 325\351\201\100\305\030\151\374\106\054\211\165\142\017\252\170 $$$

END

CKA_ISSUER MULTILINE_OCTAL

```
\002\003\004\104\300
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA TRUST STEP UP APPROVED CK BBOOL CK FALSE
#
# Certificate "TWCA Root Certification
Authority"
# Issuer: CN=TWCA Root Certification Authority,OU=Root CA,O=TAIWAN-CA,C=TW
# Serial Number: 1 (0x1)
# Subject: CN=TWCA Root Certification Authority, OU=Root CA, O=TAIWAN-CA, C=TW
# Not Valid Before: Thu Aug 28 07:24:33 2008
# Not Valid After: Tue Dec 31 15:59:59 2030
# Fingerprint (SHA-256):
BF:D8:8F:E1:10:1C:41:AE:3E:80:1B:F8:BE:56:35:0E:E9:BA:D1:A6:B9:BD:51:5E:DC:5C:6D:5B:87:11:AC:44
# Fingerprint (SHA1): CF:9E:87:6D:D3:EB:FC:42:26:97:A3:B5:A3:7A:A0:76:A9:06:23:48
CKA CLASS CK OBJECT CLASS CKO CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA MODIFIABLE CK BBOOL CK FALSE
CKA_LABEL UTF8 "TWCA Root Certification Authority"
CKA CERTIFICATE TYPE CK CERTIFICATE TYPE CKC X 509
CKA SUBJECT MULTILINE OCTAL
\label{eq:condition} $$ \060\137\061\013\060\011\006\003\125\004\006\023\002\124\127\061 $$
\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
\label{eq:condition} $$ \060\137\061\013\060\011\006\003\125\004\006\023\002\124\127\061 $$
\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
```

CKA SERIAL NUMBER MULTILINE OCTAL

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 $\label{eq:local_$ \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 $\label{eq:condition} $$ \frac{027}{015}\frac{063}{060}\frac{061}{062}\frac{063}{061}\frac{061}{065}\frac{065}{071}\frac{132}{065} $$$ \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 $\label{eq:condition} $$ \051\03\101\061\020\060\016\006\003\125\004\013\014\007\122\157 $$$ \157\164\040\103\101\061\052\060\050\006\003\125\004\003\014\041 \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 $\label{eq:condition} $$ \001\001\005\000\003\202\001\017\000\060\202\001\012\002\202\001$ \001\000\260\176\162\270\244\003\224\346\247\336\011\070\221\112 \021\100\207\247\174\131\144\024\173\265\021\020\335\376\277\325 $\label{eq:condition} $$ 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 $\label{eq:condition} $$ \017\345\045\120\117\205\206\276\277\230\056\020\147\036\276\021 $$$ \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 $\label{eq:condition} $$ \055\222\004\033\120\301\173\270\076\033\311\126\004\213\057\122$ \233\255\251\126\351\301\377\255\251\130\207\060\266\201\367\227 \105\374\031\127\073\053\157\344\107\364\231\105\376\035\361\370 \227\243\210\035\067\034\134\217\340\166\045\232\120\370\240\124 \377\104\220\166\043\322\062\306\303\253\006\277\374\373\277\363 \255\175\222\142\002\133\051\323\065\243\223\232\103\144\140\135 \262\372\062\377\073\004\257\115\100\152\371\307\343\357\043\375 \153\313\345\017\213\070\015\356\012\374\376\017\230\237\060\061 \335\154\122\145\371\213\201\276\042\341\034\130\003\272\221\033 \211\007\002\003\001\000\001\243\102\060\100\060\016\006\003\125 \035\017\001\001\377\004\004\003\002\001\006\060\017\006\003\125 $\label{eq:condition} $$ \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

 $\label{eq:control} $$ \aligned $$ \align$

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

 $\label{eq:condition} $$ \252\010\217\366\371\173\267\362\261\247\036\233\352\352\275\171 $$$

END

CKA_ISSUER MULTILINE_OCTAL

 $\label{eq:condition} $$ \000137061\013\060\011\006\003\125\004\006\023\002\124\127\061\022\060\020\006\003\125\004\011\1124\101\111\127\101\116\055\103\101\061\020\060\016\0006\003\125\0004\013\014\007\122\157\157\164\040\103\125\0004\003\014\0041\122\157\157\164\040\103\145\162\164\151\146\151\143\141\164\151\157\156\0040\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
# Subject: E=info@diginotar.nl,CN=DigiNotar Root CA,O=DigiNotar,C=NL
# Not Valid Before: Fri Jul 27 17:19:37 2007
# Not Valid After: Mon Mar 31 18:19:22 2025
# Fingerprint (MD5): 0A:A4:D5:CC:BA:B4:FB:A3:59:E3:E6:01:DD:53:D9:4E
# Fingerprint (SHA1): C1:77:CB:4B:E0:B4:26:8E:F5:C7:CF:45:99:22:B9:B0:CE:BA:21:2F
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA PRIVATE CK BBOOL CK FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Explicitly Distrust DigiNotar Root CA"
CKA CERTIFICATE TYPE CK CERTIFICATE TYPE CKC X 509
CKA_SUBJECT MULTILINE_OCTAL
\060\137\061\013\060\011\006\003\125\004\006\023\002\116\114\061
\022\060\020\006\003\125\004\012\023\011\104\151\147\151\116\157
\label{eq:condition} $$ 164\141\162\061\032\060\030\006\003\125\004\003\023\021\104\151 $$
\147\151\116\157\164\141\162\040\122\157\157\164\040\103\101\061
\040\060\036\006\011\052\206\110\206\367\015\001\011\001\026\021
\151\156\146\157\100\144\151\147\151\156\157\164\141\162\056\156
\154
END
CKA ID
UTF8 "0"
CKA ISSUER MULTILINE OCTAL
\060\137\061\013\060\011\006\003\125\004\006\023\002\116\114\061
\022\060\020\006\003\125\004\012\023\011\104\151\147\151\116\157
\label{eq:condition} $$ 164\141\162\061\032\060\030\006\003\125\004\003\023\021\104\151 $$
\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
```

Open Source Used In vmoperator diamond 714

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\377\377 END

CKA VALUE MULTILINE OCTAL

\060\202\005\212\060\202\003\162\240\003\002\001\002\002\020\017 \015\006\011\052\206\110\206\367\015\001\001\005\005\000\060\137 \061\013\060\011\006\003\125\004\006\023\002\116\114\061\022\060 $\label{eq:condition} $$ \000\003\125\004\012\023\011\104\151\147\151\116\157\164\141 $$$ \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 $\label{eq:condition} $$ \036\006\011\052\206\110\206\367\015\001\011\001\026\021\151\156$ \146\157\100\144\151\147\151\156\157\164\141\162\056\156\154\060 \036\027\015\060\067\060\067\062\067\061\067\061\071\063\067\132 $\label{eq:condition} $$ \0.027\0.15\0.62\0.65\0.60\0.63\0.63\0.61\0.61\0.70\0.61\0.71\0.62\0.62\1.32\0.60$ \137\061\013\060\011\006\003\125\004\006\023\002\116\114\061\022 $\label{eq:condition} $$ \000\000\000\12\004\012\023\011\104\151\147\151\116\157\164$$$ \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 $\label{eq:condition} $$ \006\006\011\052\206\110\206\367\015\001\011\001\026\021\151$ \156\146\157\100\144\151\147\151\156\157\164\141\162\056\156\154 \060\202\002\042\060\015\006\011\052\206\110\206\367\015\001\001 $\label{eq:condition} $$ \001\005\000\003\202\002\017\000\060\202\002\012\002\202\002\011$ \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 $\label{eq:condition} $$ 361\312\174\351\214\152\355\070\164\065\273\332\337\371\273\300$$ \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 $\label{eq:condition} $$ \002\021\150\245\116\206\256\064\130\233\044\023\170\126\042\045\$ \036\001\213\113\121\161\373\202\314\131\226\151\210\132\150\123 \305\271\015\002\067\313\113\274\146\112\220\176\052\013\005\007 \314\231\035\326\052\017\203\040\025\130\047\202\056\372\342\042 \302\111\261\271\001\201\152\235\155\235\100\167\150\166\116\041 \052\155\204\100\205\116\166\231\174\202\363\363\267\002\131\324 \046\001\033\216\337\255\123\006\321\256\030\335\342\262\072\313 \327\210\070\216\254\133\051\271\031\323\230\371\030\003\317\110 \202\206\146\013\033\151\017\311\353\070\210\172\046\032\005\114 $\label{eq:condition} $$ \222\327\044\324\226\362\254\122\055\243\107\325\122\366\077\376$$ $\label{eq:condition} $$ 316 \ 204 \ 006 \ 160 \ 246 \ 252 \ 076 \ 242 \ 362 \ 266 \ 126 \ 064 \ 030 \ 127 \ 242 \ 344 $$$ \201\155\347\312\360\152\323\307\221\153\002\203\101\174\025\357 \153\232\144\136\343\320\074\345\261\353\173\135\206\373\313\346 \167\111\315\243\145\334\367\271\234\270\344\013\137\223\317\314 $\label{eq:condition} $$ \034\034\143\225\245\371\352\341\164\213\236\351 $$$ \053\251\060\173\240\030\037\016\030\013\345\133\251\323\321\154 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \062\246\151\321\335\314\210\237\321\320\311\146\041\334\006\147 $$$ \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 $\label{eq:condition} $$ \023\001\001\377\004\005\060\003\001\001\377\060\016\006\003\125$$ \035\017\001\001\377\004\004\003\002\001\006\060\035\006\003\125 $\label{eq:condition} $$ \035\016\004\026\004\024\210\150\277\340\216\065\304\073\070\153 $$$ \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 $\label{eq:condition} $$ \005\323\366\344\213\273\013\171\316\123\336\344\226\305\321\257 $$$ \163\274\325\303\320\100\125\174\100\177\315\033\137\011\325\362 $\label{eq:condition} $$ \frac{174\237\150\035\273\135\316\172\071\302\214\326\230\173\305\203}{214\326\230\173\305\203} $$$ \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 $\label{eq:condition} $$ \063\370\144\224\224\121\227\253\071\305\113\355\332\335\200\013$ \157\174\051\015\304\216\212\162\015\347\123\024\262\140\101\075 \204\221\061\150\075\047\104\333\345\336\364\372\143\105\310\114 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \014\167\164\303\325\015\307\250\022\114\307\247\124\161\107\056$$ \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**

#

```
# 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
\label{eq:condition} $$ \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
\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
\\ \\ \langle 002 \rangle 020 \rangle 017 \rangle 377 
\377\377
END
CKA TRUST SERVER AUTH
 CK_TRUST CKT_NSS_NOT_TRUSTED
{\tt 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

 $\label{eq:condition} $$ \060\13\060\011\060\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

 $\label{eq:condition} $$ \060\13\060\011\060\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\156\156\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 $\label{eq:condition} $$ 135\061\013\060\011\006\003\125\004\006\023\002\112\120\061\045$ \060\043\006\003\125\004\012\023\034\123\105\103\117\115\040\124 \162\165\163\164\040\123\171\163\164\145\155\163\040\103\117\056 \054\114\124\104\056\061\047\060\045\006\003\125\004\013\023\036 \123\145\143\165\162\151\164\171\040\103\157\155\155\165\156\151 \143\141\164\151\157\156\040\122\157\157\164\103\101\062\060\036 \027\015\060\071\060\065\062\071\060\065\060\060\060\063\071\132\027 \015\062\071\060\065\062\071\060\065\060\060\060\063\071\132\060\135 $\label{eq:condition} $$ \004\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 $\label{eq:condition} $$ \32 \101\220\020\301\326\326\102\211\302\277\364\070\022\225\114$$ \124\005\367\066\344\105\203\173\024\145\326\334\014\115\321\336 $\label{eq:condition} $$ \frac{176}{014}253\frac{304}{025}276\frac{072}{126}246\frac{32}{157}\frac{166}{151}\frac{22}{251} $$ \172\271\310\353\152\232\135\122\320\055\012\153\065\026\011\020 $\label{eq:condition} $$ \204\320\152\312\072\006\000\067\107\344\176\127\117\077\213\353 $$$ $\label{eq:condition} $$ 147\270\210\252\305\276\123\125\262\221\304\175\271\260\205\031 $$$ \006\170\056\333\141\032\372\205\365\112\221\241\347\026\325\216 $\label{eq:condition} $$ \242\071\337\224\270\160\037\050\077\213\374\100\136\143\203\074$ \203\052\032\231\153\317\336\131\152\073\374\157\026\327\037\375 \112\020\353\116\202\026\072\254\047\014\123\361\255\325\044\260 \153\003\120\301\055\074\026\335\104\064\047\032\165\373\002\003 $\label{eq:condition} $$ \001\000\001\243\102\060\100\060\035\006\003\125\035\016\004\026 $$$ \004\024\012\205\251\167\145\005\230\174\100\201\370\017\227\054 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \004\005\060\003\001\001\377\060\015\006\011\052\206\110\206\367 $$$ $\label{eq:condition} $$ \001\001\001\000\003\202\001\001\000\114\072\243\104\254$ \271\105\261\307\223\176\310\013\012\102\337\144\352\034\356\131 \154\010\272\211\137\152\312\112\225\236\172\217\007\305\332\105 $\label{eq:condition} $$ 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

```
# 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
\label{eq:condition} $$ \frac{154\071\175\244\016\125\131\262\077\326\101\261\022\120\336\103}{103}$$
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
\056\054\114\124\104\056\061\047\060\045\006\003\125\004\013\023
\label{eq:condition} $$ \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
O-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
#
```

Valid After: Tue May 29 05:00:39 2029

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"

 ${\tt CKA_CERTIFICATE_TYPE\ CK_CERTIFICATE_TYPE\ CKC_X_509}$

CKA_SUBJECT MULTILINE_OCTAL

 $\label{eq:controller} $$ \end{align} $$ \end{alig$

END

CKA ID

UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

\105\103\055\101\103\103

\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 $\verb| 151| 141| 040| 103| 141| 164| 141| 154| 141| 156| 141| 040| 144| 145| 040| 103|$ \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

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\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 $\\ 164 \\ 151 \\ 146 \\ 151 \\ 143 \\ 141 \\ 143 \\ 151 \\ 157 \\ 040 \\ 103 \\ 141 \\ 164 \\ 141 \\ 154 \\ 141 \\ 164 \\ 141 \\ 154 \\ 154 \\ 1$ \156\145\163\061\017\060\015\006\003\125\004\003\023\006\105\103 \055\101\103\103\060\036\027\015\060\063\060\061\060\067\062\063 $\label{eq:condition} $$ \060\060\060\132\027\015\063\061\060\061\060\067\062\062\065$$$ \071\065\071\132\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 $\label{eq:condition} $$ \006\011\052\206\110\206\367\015\001\001\001\005\000\003\202\001 $$$ \017\000\060\202\001\012\002\202\001\001\000\263\042\307\117\342 \227\102\225\210\107\203\100\366\035\027\363\203\163\044\036\121 $\label{eq:condition} $$ 363\230\212\303\222\270\377\100\220\005\160\207\140\311\000\251 $$$ \265\224\145\031\042\025\027\302\103\154\146\104\232\015\004\076 \071\157\245\113\172\252\143\267\212\104\235\331\143\221\204\146 \340\050\017\272\102\343\156\216\367\024\047\223\151\356\221\016 \243\137\016\261\353\146\242\162\117\022\023\206\145\172\076\333 $\label{eq:condition} $$117\langle 007\langle 364\langle 247\langle 011\langle 140\langle 332\langle 072\langle 102\langle 231\langle 307\langle 262\langle 177\langle 263\langle 026\langle 225\rangle 231\langle 307\langle 262\rangle 231\langle 307\langle 262\langle 177\langle 263\langle 026\langle 225\rangle 231\langle 225\rangle 2$

\034\307\371\064\265\224\205\325\231\136\240\110\240\176\347\027 \145\270\242\165\270\036\363\345\102\175\257\355\363\212\110\144 \135\202\024\223\330\300\344\377\263\120\162\362\166\366\263\135 \102\120\171\320\224\076\153\014\000\276\330\153\016\116\052\354 \076\322\314\202\242\030\145\063\023\167\236\232\135\032\023\330 \303\333\075\310\227\172\356\160\355\247\346\174\333\161\317\055 \224\142\337\155\326\365\070\276\077\245\205\012\031\270\250\330 \011\165\102\160\304\352\357\313\016\310\064\250\022\042\230\014 \270\023\224\266\113\354\360\320\220\347\047\002\003\001\000\001 \243\201\343\060\201\340\060\035\006\003\125\035\021\004\026\060 $\\ \\ \langle 024 \rangle 201 \rangle 022 \rangle 145 \rangle 143 \rangle 137 \rangle 141 \rangle 143 \rangle 143 \rangle 100 \rangle 143 \rangle 141 \rangle 164 \rangle 143 \rangle 145 \rangle 162 \rangle 162 \rangle 163 \rangle 163$ \164\056\156\145\164\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 $\label{eq:condition} $$ \024\240\303\213\104\252\067\245\105\277\227\200\132\321\361\170 $$$ \242\233\351\135\215\060\177\006\003\125\035\040\004\170\060\166 $\label{eq:condition} $$ \0.060\164\0.06\0.01\0.053\0.06\0.01\0.04\0.01\3.65\1.70\0.01\0.03\0.01\0.12\0.060$ \145\060\054\006\010\053\006\001\005\005\007\002\001\026\040\150 \164\164\160\163\072\057\057\167\167\167\056\143\141\164\143\145 \162\164\056\156\145\164\057\166\145\162\141\162\162\145\154\060 \065\006\010\053\006\001\005\005\007\002\002\060\051\032\047\126 \145\147\145\165\040\150\164\164\160\163\072\057\057\167\167\167 $\label{eq:condition} $$ \056\143\141\164\143\145\162\164\056\156\145\164\057\166\145\162$ \141\162\162\145\154\040\060\015\006\011\052\206\110\206\367\015 \001\001\005\005\000\003\202\001\001\000\240\110\133\202\001\366 \115\110\270\071\125\065\234\200\172\123\231\325\132\377\261\161 \073\314\071\011\224\136\326\332\357\276\001\133\135\323\036\330 $\label{eq:condition} $$ \frac{375}175\frac{315}240\frac{340}{64}223\frac{277}{313}\frac{342}{206}234\frac{67}{222}$ \220\126\034\334\353\051\005\345\304\236\307\065\337\212\014\315 \305\041\103\351\252\210\345\065\300\031\102\143\132\002\136\244 $\label{eq:condition} $$ \frac{110 \cdot 030 \cdot 072 \cdot 205 \cdot 157 \cdot 334 \cdot 235 \cdot 274 \cdot 077 \cdot 235 \cdot 234 \cdot 301 \cdot 207 \cdot 270 \cdot 172 \cdot 141}{110 \cdot 030 \cdot 072 \cdot 205 \cdot 157 \cdot 334 \cdot 235 \cdot 274 \cdot 077 \cdot 235 \cdot 234 \cdot 301 \cdot 207 \cdot 270 \cdot 172 \cdot 141}$ \010\351\167\013\177\160\253\172\335\331\227\054\144\036\205\277 \274\164\226\241\303\172\022\354\014\032\156\203\014\074\350\162 \106\237\373\110\325\136\227\346\261\241\370\344\357\106\045\224 \234\211\333\151\070\276\354\134\016\126\307\145\121\345\120\210 \210\277\102\325\053\075\345\371\272\236\056\263\312\364\163\222 \002\013\276\114\146\353\040\376\271\313\265\231\177\346\266\023 \372\312\113\115\331\356\123\106\006\073\306\116\255\223\132\201 $\label{eq:condition} $$ \frac{176\\154\\052\\113\\152\\005\\105\\214\\362\\041\\244\\061\\220\\207\\154\\145$ \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

 ${\tt CKA_NSS_SERVER_DISTRUST_AFTER~MULTILINE_OCTAL}$

 $\label{eq:condition} $$ \061\071\061\062\062\070\060\060\060\060\060\060\132$$

END

For Email Distrust After: Wed Aug 31 00:00:00 2022

CKA NSS EMAIL DISTRUST AFTER MULTILINE OCTAL

 $\label{eq:condition} $$ \062\062\060\070\063\061\060\060\060\060\060\060\132$$

END

Trust for "EC-ACC"

 $\# \ Issuer: \ CN=EC-ACC, OU=Jerarquia \ Entitats \ de \ Certificacio \ Catalanes, OU=Vegeu \ https://www.catcert.net/verarrelules/figures/fi$

(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

 $\label{eq:condition} $$ \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

 $\label{eq:condition} $$ \060\201\363\061\013\060\011\006\003\125\004\006\023\002\105\123$

 $\label{eq:condition} $$ \061\073\060\071\006\003\125\004\012\023\062\101\147\145\156\143$$

 $\label{thm:local_local_state} $$ 151\141\040\103\141\164\141\154\141\156\141\040\144\145\040\103$$

 $\\ 145 \\ 162 \\ 164 \\ 151 \\ 146 \\ 151 \\ 143 \\ 141 \\ 143 \\ 151 \\ 157 \\ 040 \\ 050 \\ 116 \\ 111 \\ 106$

\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

 $\label{eq:condition} $$ \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

 $\label{eq:condition} $$ 166\145\162\141\162\162\145\154\040\050\143\051\060\063\061\065$$

 $\label{eq:condition} $$ \006\003\125\004\013\023\054\112\145\162\141\162\161\165$$

 $\\ 145 \\ 162 \\ 164 \\ 151 \\ 146 \\ 151 \\ 143 \\ 141 \\ 143 \\ 151 \\ 157 \\ 040 \\ 103 \\ 141 \\ 164 \\ 141 \\$

\154\141\156\145\163\061\017\060\015\006\003\125\004\003\023\006

 $105\103\055\101\103\103$

END

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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_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
\043\060\041\006\003\125\004\012\014\032\101\143\164\141\154\151
\163\040\123\056\160\056\101\056\057\060\063\063\065\070\065\062
\060\071\066\067\061\047\060\045\006\003\125\004\003\014\036\101
\143\164\141\154\151\163\040\101\165\164\150\145\156\164\151\143
\141\164\151\157\156\040\122\157\157\164\040\103\101
END
CKA ID
UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\153\061\013\060\011\006\003\125\004\006\023\002\111\124\061
\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
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CKA_SERIAL_NUMBER MULTILINE_OCTAL \002\010\127\012\021\227\102\304\343\314 END

CKA VALUE MULTILINE OCTAL

\060\202\005\273\060\202\003\243\240\003\002\001\002\002\010\127 \012\021\227\102\304\343\314\060\015\006\011\052\206\110\206\367 \015\001\001\013\005\000\060\153\061\013\060\011\006\003\125\004 \006\023\002\111\124\061\016\060\014\006\003\125\004\007\014\005 \101\143\164\141\154\151\163\040\123\056\160\056\101\056\057\060 \063\063\065\070\065\062\060\071\066\067\061\047\060\045\006\003 \125\004\003\014\036\101\143\164\141\154\151\163\040\101\165\164 \150\145\156\164\151\143\141\164\151\157\156\040\122\157\157\164 \040\103\101\060\036\027\015\061\061\060\071\062\062\061\061\062 $\label{eq:condition} $$ \062\060\062\132\027\015\063\060\060\071\062\062\061\061\062\062$ \060\062\132\060\153\061\013\060\011\006\003\125\004\006\023\002 \141\156\061\043\060\041\006\003\125\004\012\014\032\101\143\164 \141\154\151\163\040\123\056\160\056\101\056\057\060\063\063\065 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \0.060\202\002\042\060\015\006\011\052\206\110\206\367\015\001\001$ \001\005\000\003\202\002\017\000\060\202\002\012\002\202\002\001 \000\247\306\304\245\051\244\054\357\345\030\305\260\120\243\157 \121\073\237\012\132\311\302\110\070\012\302\034\240\030\177\221 \265\207\271\100\077\335\035\150\037\010\203\325\055\036\210\240 $\label{eq:condition} $$ 370\217\126\217\155\231\002\222\220\026\325\137\010\154\211\327$ \341\254\274\040\302\261\340\203\121\212\151\115\000\226\132\157 \057\300\104\176\243\016\344\221\315\130\356\334\373\307\036\105 $\label{eq:condition} $$107\335\047\271\010\001\237\246\041\035\365\101\055\057\114\375$$ \050\255\340\212\255\042\264\126\145\216\206\124\217\223\103\051 \336\071\106\170\243\060\043\272\315\360\175\023\127\300\135\322 \203\153\110\114\304\253\237\200\132\133\072\275\311\247\042\077 \200\047\063\133\016\267\212\014\135\007\067\010\313\154\322\172 \107\042\104\065\305\314\314\056\216\335\052\355\267\175\146\015 \137\141\121\042\125\033\343\106\343\343\075\320\065\142\232\333 \257\024\310\133\241\314\211\033\341\060\046\374\240\233\037\201 \247\107\037\004\353\243\071\222\006\237\231\323\277\323\352\117 \120\234\031\376\226\207\036\074\145\366\243\030\044\203\206\020 \347\124\076\250\072\166\044\117\201\041\305\343\017\002\370\223 \224\107\040\273\376\324\016\323\150\271\335\304\172\204\202\343 \123\124\171\335\333\234\322\362\007\233\056\266\274\076\355\205 \155\357\045\021\362\227\032\102\141\367\112\227\350\213\261\020 $\label{eq:condition} $$ \07\sqrt{372}145\201\262\242\071\317\367\074\377\030\373\306\361\132 $$$ \213\131\342\002\254\173\222\320\116\024\117\131\105\366\014\136 \050\137\260\350\077\105\317\317\257\233\157\373\204\323\167\132 \225\157\254\224\204\236\356\274\300\112\217\112\223\370\104\041

\342\061\105\141\120\116\020\330\343\065\174\114\031\264\336\005 \277\243\006\237\310\265\315\344\037\327\027\006\015\172\225\164 \125\015\150\032\374\020\033\142\144\235\155\340\225\240\303\224 \007\127\015\024\346\275\005\373\270\237\346\337\213\342\306\347 \176\226\366\123\305\200\064\120\050\130\360\022\120\161\027\060 \272\346\170\143\274\364\262\255\233\053\262\376\341\071\214\136 \272\013\040\224\336\173\203\270\377\343\126\215\267\021\351\073 \214\362\261\301\135\235\244\013\114\053\331\262\030\365\265\237 \113\002\003\001\000\001\243\143\060\141\060\035\006\003\125\035 \016\004\026\004\024\122\330\210\072\310\237\170\146\355\211\363 \173\070\160\224\311\002\002\066\320\060\017\006\003\125\035\023 $\label{eq:condition} $$ \001\001\377\004\005\060\003\001\001\377\060\037\006\003\125\035 $$$ \043\004\030\060\026\200\024\122\330\210\072\310\237\170\146\355 $\label{eq:condition} $$ \frac{311}{363}173\\070\\160\\224\\311\\002\\002\\066\\320\\060\\016\\006\\003\\125$ $\label{eq:condition} $$ \035\017\001\001\377\004\004\003\002\001\006\060\015\006\011\052$$ \206\110\206\367\015\001\001\013\005\000\003\202\002\001\000\013 \173\162\207\300\140\246\111\114\210\130\346\035\210\367\024\144 \110\246\330\130\012\016\117\023\065\337\065\035\324\355\006\061 \310\201\076\152\325\335\073\032\062\356\220\075\021\322\056\364 \216\303\143\056\043\146\260\147\276\157\266\300\023\071\140\252 \242\064\045\223\165\122\336\247\235\255\016\207\211\122\161\152 \026\074\031\035\203\370\232\051\145\276\364\077\232\331\360\363 $\label{eq:condition} $$ \frac{32}{207}041 \frac{161}{200}\frac{313}{340}070\frac{233}{077}\frac{372}{340}060\frac{115}{200} $$$ \317\206\323\145\020\031\030\321\227\002\261\053\162\102\150\254 \240\275\116\132\332\030\277\153\230\201\320\375\232\276\136\025 \110\315\021\025\271\300\051\134\264\350\210\367\076\066\256\267 \142\375\036\142\336\160\170\020\034\110\133\332\274\244\070\272 $\label{eq:condition} $$ \frac{147}{355} 125 076 136 127 337 324 003 100 114 201 244 322 117 143$ \247\011\102\011\024\374\000\251\302\200\163\117\056\300\100\331 \021\173\110\352\172\002\300\323\353\050\001\046\130\164\301\300 $\label{eq:condition} $$ 163\042\155\223\225\375\071\175\273\052\343\366\202\343\054\227 $$$ \137\116\037\221\224\372\376\054\243\330\166\032\270\115\262\070 \117\233\372\035\110\140\171\046\342\363\375\251\320\232\350\160 \217\111\172\326\345\275\012\016\333\055\363\215\277\353\343\244 \175\313\307\225\161\350\332\243\174\305\302\370\164\222\004\033 \206\254\244\042\123\100\266\254\376\114\166\317\373\224\062\300 \065\237\166\077\156\345\220\156\240\246\046\242\270\054\276\321 $\label{eq:condition} $$ \053\205\375\247\150\310\272\001\053\261\154\164\035\270\163\225 $$$ \347\356\267\307\045\360\000\114\000\262\176\266\013\213\034\363 $\label{eq:condition} $$ 300\120\236\045\271\340\010\336\066\146\377\067\245\321\273\124 $$$ \144\054\311\047\265\113\222\176\145\377\323\055\341\271\116\274 \177\244\101\041\220\101\167\246\071\037\352\236\343\237\320\146 \157\005\354\252\166\176\277\153\026\240\353\265\307\374\222\124 \057\053\021\047\045\067\170\114\121\152\260\363\314\130\135\024 \361\152\110\025\377\302\007\266\261\215\017\216\134\120\106\263 \075\277\001\230\117\262\131\124\107\076\064\173\170\155\126\223 $\label{eq:condition} $$ \056\163\352\146\050\170\315\035\024\277\240\217\057\056\270\056$ \216\362\024\212\314\351\265\174\373\154\235\014\245\341\226

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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 "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

 $\label{eq:condition} $$ \363\163\263\207\006\132\050\204\212\362\363\112\316\031\053\335$$

\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

\043\060\041\006\003\125\004\012\014\032\101\143\164\141\154\151

 $\label{eq:condition} $$ 163 \cdot 040 \cdot 123 \cdot 056 \cdot 160 \cdot 056 \cdot 101 \cdot 056 \cdot 057 \cdot 060 \cdot 063 \cdot 063 \cdot 065 \cdot 070 \cdot 065 \cdot 062 $$$

\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

 $\label{eq:condition} $$ \02\01\27\012\227\102\304\343\314$$

END

 ${\tt CKA_TRUST_SERVER_AUTH\ CK_TRUST\ CKT_NSS_TRUSTED_DELEGATOR}$

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

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

 $\label{lem:condition} $$ \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\103\60\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

 $\label{eq:constraint} $$ \060\202\005\131\060\202\003\101\240\003\002\001\002\002\0001\002\\ \060\015\006\011\052\206\110\206\367\015\001\001\013\005\000\060\\ \116\061\013\060\011\006\003\125\004\006\023\002\116\117\160\141\163\163\\ \040\101\123\055\071\070\063\061\066\063\063\062\067\061\040\060\\ \036\006\003\125\004\003\014\027\102\165\171\160\141\163\163\040\\ \103\154\141\163\163\040\062\040\122\157\157\164\040\103\101\060\\ \036\027\015\061\060\061\060\062\066\060\070\063\070\060\063\132\060\\ \116\061\013\060\011\006\0062\066\060\070\063\070\060\063\132\060\\ \116\061\013\060\011\006\003\125\004\006\023\002\116\117\061\035\\ \060\003\105\003\125\004\012\014\024\102\165\171\160\141\163\163\\ \040\101\123\055\071\070\063\061\066\063\063\063\062\067\061\040\060\\ \end{$$$$$$

\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 $\\ \begin{tabular}{l} $\langle 067 \rangle 111 \rangle 265 \rangle 345 \rangle 317 \rangle 014 \rangle 174 \rangle 356 \rangle 361 \rangle 112 \rangle 273 \rangle 163 \rangle 060 \rangle 145 \rangle 363 \rangle 325 \rangle 361 \rangle 112 \rangle 273 \rangle 163 \rangle 163$ \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 $\label{eq:condition} $$ 341 \cdot 046 \cdot 031 \cdot 131 \cdot 300 \cdot 044 \cdot 272 \cdot 201 \cdot 161 \cdot 171 \cdot 220 \cdot 104 \cdot 120 \cdot 150 \cdot 044 \cdot 224$ \137\270\263\021\361\051\101\141\243\101\313\043\066\325\301\361 \062\120\020\116\177\364\206\223\354\204\323\216\274\113\277\134 $\label{eq:condition} $$ \001\116\007\075\334\024\212\224\012\244\352\163\373\013\121\350 $$$ \023\007\030\372\016\361\053\321\124\025\175\074\341\367\264\031 \102\147\142\136\167\340\242\125\354\266\331\151\027\325\072\257 \104\355\112\305\236\344\172\047\174\345\165\327\252\313\045\347 \337\153\012\333\017\115\223\116\250\240\315\173\056\362\131\001 \152\267\015\270\007\201\176\213\070\033\070\346\012\127\231\075 \356\041\350\243\365\014\026\335\213\354\064\216\234\052\034\000 \025\027\215\150\203\322\160\237\030\010\315\021\150\325\311\153 \122\315\304\106\217\334\265\363\330\127\163\036\351\224\071\004 \277\323\336\070\336\264\123\354\151\034\242\176\304\217\344\033 \160\255\362\242\371\373\367\026\144\146\151\237\111\121\242\342 $\label{eq:condition} $$ \025\030\147\006\112\177\325\154\265\115\263\063\340\141\353\135$$ \276\351\230\017\062\327\035\113\074\056\132\001\122\221\011\362 \337\352\215\330\006\100\143\252\021\344\376\303\067\236\024\122 $\\077\\364\\342\\314\\362\\141\\223\\321\\375\\147\\153\\327\\122\\256\\277\\150$ \253\100\103\240\127\065\123\170\360\123\370\141\102\007\144\306 \327\157\233\114\070\015\143\254\142\257\066\213\242\163\012\015 \365\041\275\164\252\115\352\162\003\111\333\307\137\035\142\143 \307\375\335\221\354\063\356\365\155\264\156\060\150\336\310\326 \046\260\165\136\173\264\007\040\230\241\166\062\270\115\154\117 \002\003\001\000\001\243\102\060\100\060\017\006\003\125\035\023 \001\001\377\004\005\060\003\001\001\377\060\035\006\003\125\035 $\label{eq:condition} $$ \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 $\label{eq:local_$ \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 $\label{eq:condition} $$ \203\307\266\214\071\226\260\077\226\201\101\157\140\220\342\350 $$$ \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 $\verb|254|124|211|044|054|117|077|266|262|247|116|214|250|221|227|373|$ \051\306\173\134\055\271\313\146\266\267\250\133\022\121\205\265 $\label{eq:continuous} $$ \11176\142\170\160\376\251\152\140\266\035\016\171\014\375\312 $$$ \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 $\label{eq:condition} $$ \065\377\045\203\055\362\172\277\332\375\216\376\245\313\105\054$$$ \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 $\label{eq:condition} $$ 367 \cdot 042 \cdot 216 \cdot 260 \cdot 244 \cdot 237 \cdot 152 \cdot 316 \cdot 216 \cdot 262 \cdot 262 \cdot 140 \cdot 364 \cdot 243 \cdot 042 \cdot 320 $$$ \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 $\label{eq:condition} $$ \sqrt{074}135\backslash 161\backslash 302\backslash 276\backslash 171\backslash 372\backslash 302\backslash 207\backslash 150\backslash 035\backslash 013\backslash 375\backslash 134\backslash 151\backslash 314$$$ \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=Buypass Class 2 Root CA,O=Buypass AS-983163327,C=NO

Not Valid Before: Tue Oct 26 08:38:03 2010 # Not Valid After : Fri Oct 26 08:38:03 2040

Fingerprint (SHA-256):

9A:11:40:25:19:7C:5B:B9:5D:94:E6:3D:55:CD:43:79:08:47:B6:46:B2:3C:DF:11:AD:A4:A0:0E:FF:15:FB:48

Fingerprint (SHA1): 49:0A:75:74:DE:87:0A:47:FE:58:EE:F6:C7:6B:EB:C6:0B:12:40:99

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "Buypass Class 2 Root CA"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

```
\111\012\165\164\336\207\012\107\376\130\356\366\307\153\353\306
\013\022\100\231
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\label{eq:condition} $$ 106\247\322\376\105\373\144\132\250\131\220\233\170\104\233\051 $$
END
CKA ISSUER MULTILINE OCTAL
\label{eq:condition} $$ \060\116\061\013\060\011\006\003\125\004\006\023\002\116\117\061 $$
\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
\label{eq:condition} $$ \006\003\125\004\003\014\027\102\165\171\160\141\163\163$
\label{eq:condition} $$ \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
\label{eq:condition} $$ \060\116\061\013\060\011\006\003\125\004\006\023\002\116\117\061
\035\060\033\006\003\125\004\012\014\024\102\165\171\160\141\163
\163\040\101\123\055\071\070\063\061\066\063\063\062\067\061\040
\label{eq:condition} $$ \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

 $\label{lem:condition} $$ \000\116\001\006\003\125\004\006\023\002\116\117\061\035\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

 $\label{eq:condition} $$ \060\202\005\131\060\202\003\101\240\003\002\001\002\002\001\002$ \060\015\006\011\052\206\110\206\367\015\001\001\013\005\000\060 $\label{eq:condition} $$ \frac{116}{061}\frac{003}{003}\frac{125}{004}\frac{006}{023}\frac{116}{117}\frac{001}{035}$ $\label{eq:condition} $$ \000\03\006\003\125\004\012\014\024\102\165\171\160\141\163\163$ \040\101\123\055\071\070\063\061\066\063\063\062\067\061\040\060 $\label{eq:condition} $$ \006\003\125\004\003\014\027\102\165\171\160\141\163\163\040 $$$ \103\154\141\163\163\040\063\040\122\157\157\164\040\103\101\060 \036\027\015\061\060\061\060\062\066\060\070\062\070\065\070\132 $\label{eq:condition} $$ \027\015\064\060\061\060\062\066\060\070\062\070\065\070\132\060 $$$ \116\061\013\060\011\006\003\125\004\006\023\002\116\117\061\035 \060\033\006\003\125\004\012\014\024\102\165\171\160\141\163\163 $\label{eq:condition} $$ \040\101\123\055\071\070\063\061\066\063\063\062\067\061\040\060 $$$ \036\006\003\125\004\003\014\027\102\165\171\160\141\163\163\040 \103\154\141\163\163\040\063\040\122\157\157\164\040\103\101\060 \202\002\042\060\015\006\011\052\206\110\206\367\015\001\001\001 \005\000\003\202\002\017\000\060\202\002\012\002\202\002\001\000 \245\332\012\225\026\120\343\225\362\136\235\166\061\006\062\172 \233\361\020\166\270\000\232\265\122\066\315\044\107\260\237\030 \144\274\232\366\372\325\171\330\220\142\114\042\057\336\070\075 $\label{eq:condition} $$ 326\340\250\351\034\054\333\170\021\351\216\150\121\025\162\307 $$ \363\063\207\344\240\135\013\134\340\127\007\052\060\365\315\304 \067\167\050\115\030\221\346\277\325\122\375\161\055\160\076\347 \306\304\212\343\360\050\013\364\166\230\241\213\207\125\262\072 \023\374\267\076\047\067\216\042\343\250\117\052\357\140\273\075 \267\071\303\016\001\107\231\135\022\117\333\103\372\127\241\355 \371\235\276\021\107\046\133\023\230\253\135\026\212\260\067\034 $\label{eq:condition} $$ 127\235\105\377\210\226\066\277\273\312\007\173\157\207\143\327$ \320\062\152\326\135\154\014\361\263\156\071\342\153\061\056\071 \000\047\024\336\070\300\354\031\146\206\022\350\235\162\026\023 \144\122\307\251\067\034\375\202\060\355\204\030\035\364\256\134 \377\160\023\000\353\261\365\063\172\113\326\125\370\005\215\113 \151\260\365\263\050\066\134\024\304\121\163\115\153\013\361\064 \007\333\027\071\327\334\050\173\153\365\237\363\056\301\117\027 \052\020\363\314\312\350\353\375\153\253\056\232\237\055\202\156 \004\324\122\001\223\055\075\206\374\176\374\337\357\102\035\246 \153\357\271\040\306\367\275\240\247\225\375\247\346\211\044\330 \314\214\064\154\342\043\057\331\022\032\041\271\125\221\157\013

\221\171\031\014\255\100\210\013\160\342\172\322\016\330\150\110 \273\202\023\071\020\130\351\330\052\007\306\022\333\130\333\322 \073\125\020\107\005\025\147\142\176\030\143\246\106\077\011\016 \124\062\136\277\015\142\172\047\357\200\350\333\331\113\006\132 \067\132\045\320\010\022\167\324\157\011\120\227\075\310\035\303 \337\214\105\060\126\306\323\144\253\146\363\300\136\226\234\303 \304\357\303\174\153\213\072\171\177\263\111\317\075\342\211\237 \240\060\113\205\271\234\224\044\171\217\175\153\251\105\150\017 $\label{eq:condition} $$ \053\320\361\332\034\313\151\270\312\111\142\155\310\320\143\142$ \335\140\017\130\252\217\241\274\005\245\146\242\317\033\166\262 \204\144\261\114\071\122\300\060\272\360\214\113\002\260\266\267 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \016\004\026\004\024\107\270\315\377\345\157\356\370\262\354\057 $$$ \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 $\label{eq:condition} $$ \362\074\370\012\237\330\201\345\273\133\332\045\054\244\247\125$$ \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 $\label{eq:condition} $$ \273\310\330\242\016\144\127\352\242\365\302\251\061\025\322 $$$ \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 $\label{eq:condition} $$ 106\206\103\102\137\076\001\007\123\124\135\145\175\367\212\163 $$$ \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 $\label{eq:condition} $$ 103\060\033\003\327\142\310\100\246\252\374\144\344\112\327\221 $$$ \123\001\250\040\210\156\234\137\104\271\313\140\201\064\354\157 \323\175\332\110\137\353\264\220\274\055\251\034\013\254\034\325 \242\150\040\200\004\326\374\261\217\057\273\112\061\015\112\206 \034\353\342\066\051\046\365\332\330\304\362\165\141\317\176\256 \166\143\112\172\100\145\223\207\370\036\200\214\206\345\206\326 \217\016\374\123\054\140\350\026\141\032\242\076\103\173\315\071 \140\124\152\365\362\211\046\001\150\203\110\242\063\350\311\004 \221\262\021\064\021\076\352\320\103\031\037\003\223\220\014\377 \121\075\127\364\101\156\341\313\240\276\353\311\143\315\155\314 \344\370\066\252\150\235\355\275\135\227\160\104\015\266\016\065 \334\341\014\135\273\240\121\224\313\176\026\353\021\057\243\222 \105\310\114\161\331\274\311\231\122\127\106\057\120\317\275\065 \151\364\075\025\316\006\245\054\017\076\366\201\272\224\273\303 \273\277\145\170\322\206\171\377\111\073\032\203\014\360\336\170 \354\310\362\115\114\032\336\202\051\370\301\132\332\355\356\346 $\\ \\ 047\\136\\350\\105\\320\\235\\034\\121\\250\\150\\253\\104\\343\\320\\213\\152$ \343\370\073\273\334\115\327\144\362\121\276\346\252\253\132\351

```
\061\356\006\274\163\277\023\142\012\237\307\271\227
END
CKA_NSS_MOZILLA_CA_POLICY
CK BBOOL CK TRUE
CKA_NSS_SERVER_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
\label{eq:condition} $$ \060\116\061\013\060\011\006\003\125\004\006\023\002\116\117\061 $$
\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
\label{eq:condition} $$ \040\103\154\141\163\163\040\063\040\122\157\157\164\040\103\101
END
CKA SERIAL NUMBER MULTILINE OCTAL
\002\001\002
END
CKA_TRUST_SERVER_AUTH
CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
#
# Certificate "T-TeleSec GlobalRoot Class 3"
```

Issuer: CN=T-TeleSec GlobalRoot Class 3,OU=T-Systems Trust Center,O=T-Systems Enterprise Services GmbH.C=DE

Serial Number: 1 (0x1)

Subject: CN=T-TeleSec GlobalRoot Class 3,OU=T-Systems Trust Center,O=T-Systems Enterprise Services

GmbH,C=DE

Not Valid Before: Wed Oct 01 10:29:56 2008 # Not Valid After : Sat Oct 01 23:59:59 2033

Fingerprint (SHA-256):

FD:73:DA:D3:1C:64:4F:F1:B4:3B:EF:0C:CD:DA:96:71:0B:9C:D9:87:5E:CA:7E:31:70:7A:F3:E9:6D:52:2B:BD

Fingerprint (SHA1): 55:A6:72:3E:CB:F2:EC:CD:C3:23:74:70:19:9D:2A:BE:11:E3:81:D1

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE

CKA_TOKEN CK_BBOOL CK_TRUE

CKA PRIVATE CK BBOOL CK FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "T-TeleSec GlobalRoot

Class 3"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA SUBJECT MULTILINE OCTAL

 $\label{eq:condition} $$ \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\145\040\123\145\162\166\151\143\145\163\040\107\155\142\110\061\037\060\035\006\003\125\004\013\14\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\166\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$

END

CKA ID UTF8 "0"

\141\163\163\040\063

CKA_ISSUER MULTILINE_OCTAL

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

\002\001\001

END

CKA_VALUE MULTILINE_OCTAL

\060\202\003\303\060\202\002\253\240\003\002\001\002\002\001\001 \060\015\006\011\052\206\110\206\367\015\001\001\013\005\000\060 \201\202\061\013\060\011\006\003\125\004\006\023\002\104\105\061

\053\060\051\006\003\125\004\012\014\042\124\055\123\171\163\164 \145\155\163\040\105\156\164\145\162\160\162\151\163\145\040\123 \145\162\166\151\143\145\163\040\107\155\142\110\061\037\060\035 \006\003\125\004\013\014\026\124\055\123\171\163\164\145\155\163 \040\124\162\165\163\164\040\103\145\156\164\145\162\061\045\060 \043\006\003\125\004\003\014\034\124\055\124\145\154\145\123\145 \143\040\107\154\157\142\141\154\122\157\157\164\040\103\154\141 \163\163\040\063\060\036\027\015\060\070\061\060\060\061\061\060 \062\071\065\066\132\027\015\063\063\061\060\060\061\062\063\065 \071\065\071\132\060\201\202\061\013\060\011\006\003\125\004\006 \023\002\104\105\061\053\060\051\006\003\125\004\012\014\042\124 $\begin{tabular}{l} $$ \begin{tabular}{l} $\begin{tabular}{l} \b \151\163\145\040\123\145\162\166\151\143\145\163\040\107\155\142 \110\061\037\060\035\006\003\125\004\013\014\026\124\055\123\171 \163\164\145\155\163\040\124\162\165\163\164\040\103\145\156\164 \145\162\061\045\060\043\006\003\125\004\003\014\034\124\055\124 $\\ 145 \\ 154 \\ 145 \\ 123 \\ 145 \\ 143 \\ 040 \\ 107 \\ 154 \\ 157 \\ 142 \\ 141 \\ 154 \\ 122 \\ 157 \\ 157 \\$ \164\040\103\154\141\163\163\040\063\060\202\001\042\060\015\006 \011\052\206\110\206\367\015\001\001\001\005\000\003\202\001\017 $\label{eq:condition} $$ \000\060\202\001\012\002\202\001\001\000\275\165\223\360\142\042 $$$ \157\044\256\340\172\166\254\175\275\331\044\325\270\267\374\315 \360\102\340\353\170\210\126\136\233\232\124\035\115\014\212\366 $\label{eq:condition} $$ 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 $\label{eq:condition} $$ \003\001\001\377\060\016\006\003\125\035\017\001\001\377\004\004$ $\label{eq:condition} $$ \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

 $\label{eq:control_state} $$ 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

END

CKA_ISSUER MULTILINE_OCTAL

 $\label{eq:condition} $$ \000\201\202\061\013\060\011\006\003\125\004\012\014\006\023\002\104\105\061\053\060\051\006\003\125\0004\012\014\002\124\105\123\171\163\145\163\145\162\160\162\151\163\145\162\160\162\151\163\145\163\164\145\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\0004\003\014\034\124\055\124\145\154\145\123$

```
\145\143\040\107\154\157\142\141\154\122\157\157\164\040\103\154
\141\163\163\040\063
END
CKA SERIAL NUMBER MULTILINE OCTAL
\002\001\001
END
CKA TRUST SERVER AUTH
CK TRUST CKT NSS TRUSTED DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA TRUST CODE SIGNING CK TRUST CKT NSS MUST VERIFY TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
# Certificate "D-TRUST Root Class 3 CA 2 2009"
# Issuer: CN=D-TRUST Root Class 3 CA 2 2009,O=D-Trust GmbH,C=DE
# Serial Number: 623603 (0x983f3)
# Subject: CN=D-TRUST Root Class 3 CA 2 2009,O=D-Trust GmbH,C=DE
# Not Valid Before: Thu Nov 05 08:35:58 2009
# Not Valid After: Mon Nov 05 08:35:58 2029
# Fingerprint (SHA-256):
49:E7:A4:42:AC:F0:EA:62:87:05:00:54:B5:25:64:B6:50:E4:F4:9E:42:E3:48:D6:AA:38:E0:39:E9:57:B1:C1
# Fingerprint (SHA1): 58:E8:AB:B0:36:15:33:FB:80:F7:9B:1B:6D:29:D3:FF:8D:5F:00:F0
CKA CLASS CK OBJECT CLASS CKO CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA PRIVATE CK BBOOL CK FALSE
CKA MODIFIABLE CK BBOOL CK FALSE
CKA_LABEL UTF8 "D-TRUST Root Class 3 CA 2 2009"
CKA CERTIFICATE TYPE CK CERTIFICATE TYPE CKC X 509
CKA SUBJECT MULTILINE OCTAL
\label{eq:condition} $$ \060\115\061\013\060\011\006\003\125\004\006\023\002\104\105\061 $$
\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
\025\060\023\006\003\125\004\012\014\014\104\055\124\162\165\163
\164\040\107\155\142\110\061\047\060\045\006\003\125\004\003\014
\036\104\055\124\122\125\123\124\040\122\157\157\164\040\103\154
\141\163\163\040\063\040\103\101\040\062\040\062\060\060\071
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\003\011\203\363
END
```

CKA VALUE MULTILINE OCTAL

\060\202\004\063\060\202\003\033\240\003\002\001\002\002\003\011 \203\363\060\015\006\011\052\206\110\206\367\015\001\001\013\005 \000\060\115\061\013\060\011\006\003\125\004\006\023\002\104\105 \061\025\060\023\006\003\125\004\012\014\014\104\055\124\162\165 \163\164\040\107\155\142\110\061\047\060\045\006\003\125\004\003 \014\036\104\055\124\122\125\123\124\040\122\157\157\164\040\103 \154\141\163\163\040\063\040\103\101\040\062\040\062\060\060\071 \060\036\027\015\060\071\061\061\060\065\060\070\063\065\065\070 \132\027\015\062\071\061\061\060\065\060\070\063\065\065\070\132 \060\115\061\013\060\011\006\003\125\004\006\023\002\104\105\061 $\label{eq:condition} $$ \025\060\023\006\003\125\004\012\014\014\104\055\124\162\165\163$ \164\040\107\155\142\110\061\047\060\045\006\003\125\004\003\014 $\label{eq:condition} $$ \036\104\055\124\122\125\123\124\040\122\157\157\164\040\103\154$$ \141\163\163\040\063\040\103\101\040\062\040\062\060\060\071\060 \202\001\042\060\015\006\011\052\206\110\206\367\015\001\001\001 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \frac{120\\010\\237\\115\\112\\150\\224\\065\\263\\123\\321\\224\\143\\247\\040\\126$ \257\336\121\170\354\052\075\363\110\110\120\076\012\337\106\125 \213\047\155\303\020\115\015\221\122\103\330\207\340\135\116\066 $\label{eq:condition} $$ \265\041\312\137\071\100\004\137\133\176\314\243\306\053\251\100 $$$ \036\331\066\204\326\110\363\222\036\064\106\040\044\301\244\121 \216\112\032\357\120\077\151\135\031\177\105\303\307\001\217\121 \311\043\350\162\256\264\274\126\011\177\022\313\034\261\257\051 \220\012\311\125\314\017\323\264\032\355\107\065\132\112\355\234 \163\004\041\320\252\275\014\023\265\000\312\046\154\304\153\014 \224\132\225\224\332\120\232\361\377\245\053\146\061\244\311\070 \240\337\035\037\270\011\056\363\247\350\147\122\253\225\037\340 $\label{eq:condition} $$ 106\076\330\244\303\312\132\305\061\200\350\110\232\237\224\151 $$$ \376\031\335\330\163\174\201\312\226\336\216\355\263\062\005\145 \204\064\346\346\375\127\020\265\137\166\277\057\260\020\015\305 \002\003\001\000\001\243\202\001\032\060\202\001\026\060\017\006 \003\125\035\023\001\001\377\004\005\060\003\001\001\377\060\035 \006\003\125\035\016\004\026\004\024\375\332\024\304\237\060\336 \041\275\036\102\071\374\253\143\043\111\340\361\204\060\016\006 \003\125\035\017\001\001\377\004\004\003\002\001\006\060\201\323 $\label{eq:condition} $$ \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\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 $\label{eq:condition} $$ \005\000\003\202\001\000\177\227\333\060\310\337\244\234\175$ $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \frac{310}{154}\frac{353}{202}\frac{123}{004}\frac{44}{114}\frac{114}{042}\frac{115}{215}\frac{214}{272}\frac{316}{133} $$ \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:AA: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:AA: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:AA:42:AC:F0:EA:F4:PE:42:E3:48:D6:AA:38:E0:39:E9:57:B1:C1:AA:42:E3:48:D6:AA:42:E3:AA:42:E3:AA:42:E3:AA:42:E3:AA:42:E3:AA:42:AA:4

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

 \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 \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 \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 $\label{eq:condition} $$ \040\062\060\071\060\202\001\042\060\015\006\011\052\206\110 $$$ \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 $\label{eq:condition} $$ \sqrt{374} \cdot \frac{163}{42} \cdot \frac{267}{216} \cdot \frac{230}{000} \cdot \frac{274}{074} \cdot \frac{75}{254} \cdot \frac{241}{154} \cdot \frac{373}{326}$ \171\045\113\255\360\314\144\332\210\076\051\270\017\011\323\064 \335\063\365\142\321\341\315\031\351\356\030\117\114\130\256\342 \036\326\014\133\025\132\330\072\270\304\030\144\036\343\063\262 \265\211\167\116\014\277\331\224\153\023\227\157\022\243\376\231 \251\004\314\025\354\140\150\066\355\010\173\267\365\277\223\355 \146\061\203\214\306\161\064\207\116\027\352\257\213\221\215\034 \126\101\256\042\067\136\067\362\035\331\321\055\015\057\151\121 \247\276\146\246\212\072\052\275\307\032\261\341\024\360\276\072 \035\271\317\133\261\152\376\264\261\106\040\242\373\036\073\160 \357\223\230\175\214\163\226\362\305\357\205\160\255\051\046\374 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \062\060\105\126\045\062\060\062\060\060\071\054\117\075\104\055$$$ \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 $\label{eq:condition} $$ 102\206\100\150\164\164\160\072\057\057\167\167\167\056\144\055$$ \164\162\165\163\164\056\156\145\164\057\143\162\154\057\144\055 \164\162\165\163\164\137\162\157\157\164\137\143\154\141\163\163 \137\063\137\143\141\137\062\137\145\166\137\062\060\060\071\056 \143\162\154\060\015\006\011\052\206\110\206\367\015\001\001\013 \005\000\003\202\001\001\000\064\355\173\132\074\244\224\210\357 $\label{eq:condition} $$ \032\021\165\007\057\263\376\074\372\036\121\046\353\207\366\051 $$$ \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 $\label{eq:condition} $$ \frac{360}171\121\327\103\075\247\323\201\323\360\311\117\271\332}$ \306\227\206\320\202\303\344\102\155\376\260\342\144\116\016\046 \347\100\064\046\265\010\211\327\010\143\143\070\047\165\036\063 \352\156\250\335\237\231\117\164\115\201\211\200\113\335\232\227 \051\134\057\276\201\101\271\214\377\352\175\140\006\236\315\327 $\label{eq:condition} $$ \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 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
\label{eq:condition} $$ \252\306\103\054\136\055\315\304\064\300\120\117\021\002\117\266 $$
END
CKA ISSUER MULTILINE OCTAL
\label{eq:condition} $$ \060\120\061\013\060\011\006\003\125\004\006\023\002\104\105\061 $$
\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
```

CKA_MODIFIABLE CK_BBOOL CK_FALSE

\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

 $\label{eq:condition} $$ \000122\061\013\060\011\006\003\125\004\0006\023\002\123\113\061 $$ \023\060\021\006\003\125\004\012\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 \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 $\label{eq:condition} $$ \060\067\061\071\060\071\061\065\063\060\132\060\122\061\013\060 $$$ \011\006\003\125\004\006\023\002\123\113\061\023\060\021\006\003 \125\004\007\023\012\102\162\141\164\151\163\154\141\166\141\061 $\label{eq:condition} $$ \023\060\021\006\003\125\004\012\023\012\104\151\163\151\147\040 $$$ \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 $\verb|\|253|171|130|074|332|377|174|034|237|330|227|002|170|076|153|101|$ $\label{eq:condition} $$ \004\351\101\275\276\003\054\105\366\057\144\324\253\135\243\107 $$$ \075\144\233\351\150\232\306\314\033\077\272\276\262\213\064\002 \056\230\125\031\374\214\157\252\137\332\114\316\115\003\041\243 \330\322\064\223\126\226\313\114\014\000\026\074\137\032\315\310 \307\154\246\255\323\061\247\274\350\345\341\146\326\322\373\003 \264\101\145\311\020\256\016\005\143\306\200\152\151\060\375\322 \356\220\357\015\047\337\237\225\163\364\341\045\332\154\026\336 \101\070\064\352\213\374\321\350\004\024\141\055\101\176\254\307 \167\116\313\121\124\373\136\222\030\033\004\132\150\306\311\304 \372\267\023\240\230\267\021\053\267\326\127\314\174\236\027\321

\313\045\376\206\116\044\056\126\014\170\115\236\001\022\246\053 \247\001\145\156\174\142\035\204\204\337\352\300\153\265\245\052 \225\203\303\123\021\014\163\035\013\262\106\220\321\102\072\316 $\label{eq:condition} $$ 100\156\225\255\377\306\224\255\156\227\204\216\175\157\236\212 $$$ \200\015\111\155\163\342\173\222\036\303\363\301\363\353\056\005 \157\331\033\317\067\166\004\310\264\132\344\027\247\313\335\166 \037\320\031\166\350\054\005\263\326\234\064\330\226\334\141\207 \221\005\344\104\010\063\301\332\271\010\145\324\256\262\066\015 $\label{eq:condition} $$ 353\272\070\272\014\345\233\236\353\215\146\335\231\317\326\211 $$$ \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 $\label{eq:condition} $$ \004\356\311\346\206\271\232\146\100\250\347\021\355\201\105\003$ \213\366\147\131\350\301\006\021\275\335\317\200\002\117\145\100 \170\134\107\120\310\233\346\037\201\173\344\104\250\133\205\232 $\label{eq:condition} $$ 342\336\132\325\307\371\072\104\146\113\344\062\124\174\344\154$$ \234\263\016\075\027\242\262\064\022\326\176\262\250\111\273\321 \172\050\100\276\242\026\037\337\344\067\037\021\163\373\220\012 \145\103\242\015\174\370\006\001\125\063\175\260\015\270\364\365 \256\245\102\127\174\066\021\214\173\136\304\003\235\214\171\235 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \016\004\026\004\024\265\231\370\257\260\224\365\343\040\326\012 $$$ \255\316\116\126\244\056\156\102\355\060\015\006\011\052\206\110 \206\367\015\001\001\013\005\000\003\202\002\001\000\046\006\136 \160\347\145\063\310\202\156\331\234\027\072\033\172\146\262\001 \366\170\073\151\136\057\352\377\116\371\050\303\230\052\141\114 \264\044\022\212\175\155\021\024\367\234\265\312\346\274\236\047 \216\114\031\310\251\275\172\300\327\066\016\155\205\162\156\250 \306\242\155\366\372\163\143\177\274\156\171\010\034\235\212\237 $\label{eq:condition} $$ \032\212\123\246\330\273\331\065\125\261\021\305\251\003\263\126$ \073\271\204\223\042\136\176\301\366\022\122\213\352\054\147\274 \376\066\114\365\270\317\321\263\111\222\073\323\051\016\231\033 \226\367\141\270\073\304\053\266\170\154\264\043\157\360\375\323 \262\136\165\037\231\225\250\254\366\332\341\305\061\173\373\321 \106\263\322\274\147\264\142\124\272\011\367\143\260\223\242\232 \371\351\122\056\213\140\022\253\374\365\140\126\357\020\134\213 $\label{eq:condition} $$ 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 $\label{eq:condition} $$ \frac{117}{167}\frac{327}{145}\frac{1001}{170}\frac{206}{014}\frac{172}{076}\frac{041}{142}\frac{361}{177}\frac{143}{161} $$$ \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 $\label{eq:condition} $$ \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 $\\ \langle 044 \rangle 304 \rangle 123 \rangle 031 \rangle 351 \rangle 036 \rangle 051 \rangle 025 \rangle 357 \rangle 346 \rangle 155 \rangle 260 \rangle 177 \rangle 055 \rangle 147 \rangle 375$ \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

 $\label{eq:condition} $$ \060\122\061\013\060\011\006\003\125\004\006\023\002\123\113\061 $$$ \154\141\166\141\061\023\060\021\006\003\125\004\012\023\012\104 \151\163\151\147\040\141\056\163\056\061\031\060\027\006\003\125 \004\003\023\020\103\101\040\104\151\163\151\147\040\122\157\157

\164\040\122\062

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

\002\011\000\222\270\210\333\260\212\301\143

END

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#

Certificate "ACCVRAIZ1"

#

Issuer: C=ES.O=ACCV.OU=PKIACCV.CN=ACCVRAIZ1

Serial Number:5e:c3:b7:a6:43:7f:a4:e0

Subject: C=ES,O=ACCV,OU=PKIACCV,CN=ACCVRAIZ1

Not Valid Before: Thu May 05 09:37:37 2011 # Not Valid After: Tue Dec 31 09:37:37 2030

Fingerprint (SHA-256):

9A:6E:C0:12:E1:A7:DA:9D:BE:34:19:4D:47:8A:D7:C0:DB:18:22:FB:07:1D:F1:29:81:49:6E:D1:04:38:41:13

Fingerprint (SHA1): 93:05:7A:88:15:C6:4F:CE:88:2F:FA:91:16:52:28:78:BC:53:64:17

CKA CLASS CK OBJECT CLASS CKO CERTIFICATE

CKA TOKEN CK BBOOL CK TRUE

CKA_PRIVATE

CK BBOOL CK FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "ACCVRAIZ1"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL

END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

END

 $CKA_SERIAL_NUMBER\ MULTILINE_OCTAL$

\002\010\136\303\267\246\103\177\244\340

END

CKA_VALUE MULTILINE_OCTAL

\060\013\006\003\125\004\012\014\004\101\103\103\126\061\013\060 \011\006\003\125\004\006\023\002\105\123\060\036\027\015\061\061 \060\065\060\065\060\071\063\067\063\067\132\027\015\063\060\061 $\label{eq:condition} $$ \062\063\061\060\071\063\067\063\067\132\060\102\061\022\060\020 $$$ \006\003\125\004\003\014\011\101\103\103\126\122\101\111\132\061 \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 $\label{eq:condition} $$ \002\042\060\015\006\011\052\206\110\206\367\015\001\001\001\005$ \000\003\202\002\017\000\060\202\002\012\002\202\002\001\000\233 $\label{eq:condition} $$ \251\253\277\141\112\227\257\057\227\146\232\164\137\320\331\226$$ \375\317\342\344\146\357\037\037\107\063\302\104\243\337\232\336 \037\265\124\335\025\174\151\065\021\157\273\310\014\216\152\030 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \03150\250\075\350\364\104\154\275\241\302\313\003\276\214\076$ \023\000\204\337\112\110\300\343\042\012\350\351\067\247\030\114 \261\011\015\043\126\177\004\115\331\027\204\030\245\310\332\100 $\verb|\|224|163|353|316|016|127|074|003|201|072|235|012|241|127|103|151|$ \254\127\155\171\220\170\345\265\264\073\330\274\114\215\050\241 \247\243\247\272\002\116\045\321\052\256\355\256\003\042\270\153 $\label{eq:condition} $$ \040\017\060\050\124\225\177\340\356\316\012\146\235\321\100\055$$$ \156\042\257\235\032\301\005\031\322\157\300\362\237\370\173\263 \002\102\373\120\251\035\055\223\017\043\253\306\301\017\222\377 \320\242\025\365\123\011\161\034\377\105\023\204\346\046\136\370 \340\210\034\012\374\026\266\250\163\006\270\360\143\204\002\240 \306\132\354\347\164\337\160\256\243\203\045\352\326\307\227\207 \223\247\306\212\212\063\227\140\067\020\076\227\076\156\051\025 \326\241\017\321\210\054\022\237\157\252\244\306\102\353\101\242 $\label{eq:condition} $$ 343 \times 225 \times 323 \times 323 \times 155 \times 155 \times 165 \times 3073 \times 363 \times 363 \times 366 \times 3073 \times 366 \times 366 \times 3073 \times 366 \times 366 \times 3073 \times 366 \times 366$ \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 \211\062\027\370\163\103\270\322\132\223\206\141\326\341\165\012 \352\171\146\166\210\117\161\353\004\045\326\012\132\172\223\345 \271\113\027\100\017\261\266\271\365\336\117\334\340\263\254\073 \021\160\140\204\112\103\156\231\040\300\051\161\012\300\145\002 $\label{eq:condition} $$ \003\001\000\001\243\202\002\313\060\202\002\307\060\175\006\010 $$$ \053\006\001\005\005\007\001\001\004\161\060\157\060\114\006\010 $\label{eq:condition} $$ \0.051\0.05\0.05\0.05\0.002\0.002\0.001\0.015\0.164\1.64\1.60\0.072\0.57\0.05\0.00$ \057\167\167\167\056\141\143\143\166\056\145\163\057\146\151\154 \145\141\144\155\151\156\057\101\162\143\150\151\166\157\163\057 \143\145\162\164\151\146\151\143\141\144\157\163\057\162\141\151

\172\141\143\143\166\061\056\143\162\164\060\037\006\010\053\006 \001\005\005\007\060\001\206\023\150\164\164\160\072\057\057\157 \143\163\160\056\141\143\143\166\056\145\163\060\035\006\003\125 \035\016\004\026\004\024\322\207\264\343\337\067\047\223\125\366 \126\352\201\345\066\314\214\036\077\275\060\017\006\003\125\035 \023\001\001\377\004\005\060\003\001\001\377\060\037\006\003\125 \035\043\004\030\060\026\200\024\322\207\264\343\337\067\047\223 \125\366\126\352\201\345\066\314\214\036\077\275\060\202\001\163 $\label{eq:condition} $$ \006\003\125\035\040\004\202\001\152\060\202\001\146\060\202\001$ \142\006\004\125\035\040\000\060\202\001\130\060\202\001\042\006 \010\053\006\001\005\005\007\002\002\060\202\001\024\036\202\001 $\label{eq:condition} $$ \000\101\000\165\000\164\000\157\000\162\000\151\000\144\000$ \141\000\144\000\040\000\144\000\145\000\040\000\103\000\145\000 \162\000\164\000\151\000\146\000\151\000\143\000\141\000\143\000 \151\000\363\000\156\000\040\000\122\000\141\000\355\000\172\000 \040\000\144\000\145\000\040\000\154\000\141\000\040\000\101\000 $\label{eq:condition} $$ 103\000\103\000\126\000\040\000\050\000\101\000\147\000\145\000 $$$ \156\000\143\000\151\000\141\000\040\000\144\000\145\000\040\000 \124\000\145\000\143\000\156\000\157\000\154\000\157\000\147\000 $\label{eq:condition} $$ \355\000\141\000\040\000\171\000\040\000\103\000\145\000\162\000 $$$ \164\000\151\000\146\000\151\000\143\000\141\000\143\000\151\000 \363\000\156\000\040\000\105\000\154\000\145\000\143\000\164\000 $\label{eq:condition} $$ 162\000\363\000\156\000\151\000\143\000\141\000\054\000\040\000 $$$ \103\000\111\000\106\000\040\000\121\000\064\000\066\000\060\000 \061\000\061\000\065\000\066\000\105\000\051\000\056\000\040\000 \103\000\120\000\123\000\040\000\145\000\156\000\040\000\150\000 \164\000\164\000\160\000\072\000\057\000\057\000\167\000\167\000 \167\000\056\000\141\000\143\000\143\000\166\000\056\000\145\000 \163\060\060\006\010\053\006\001\005\005\007\002\001\026\044\150 \164\164\160\072\057\057\167\167\167\056\141\143\143\166\056\145 \163\057\154\145\147\151\163\154\141\143\151\157\156\137\143\056 \150\164\155\060\125\006\003\125\035\037\004\116\060\114\060\112 \240\110\240\106\206\104\150\164\164\160\072\057\057\167\167\167 \056\141\143\143\166\056\145\163\057\146\151\154\145\141\144\155 \151\156\057\101\162\143\150\151\166\157\163\057\143\145\162\164 \151\146\151\143\141\144\157\163\057\162\141\151\172\141\143\143 \166\061\137\144\145\162\056\143\162\154\060\016\006\003\125\035 $\label{eq:condition} $$ \017\001\001\377\004\004\003\002\001\006\060\027\006\003\125\035 $$$ $\label{eq:condition} $$ \021\004\020\060\016\201\014\141\143\143\166\100\141\143\143\166$ $\label{eq:condition} $$ \0.056\145\163\0.60\0.15\0.06\0.11\0.052\2.06\1.10\2.06\3.67\0.15\0.01\0.01\0.05$ \005\000\003\202\002\001\000\227\061\002\237\347\375\103\147\110 \104\024\344\051\207\355\114\050\146\320\217\065\332\115\141\267 \112\227\115\265\333\220\340\005\056\016\306\171\320\362\227\151 \017\275\004\107\331\276\333\265\051\332\233\331\256\251\231\325 \323\074\060\223\365\215\241\250\374\006\215\104\364\312\026\225 \174\063\334\142\213\250\067\370\047\330\011\055\033\357\310\024 \047\040\251\144\104\377\056\326\165\252\154\115\140\100\031\111 $\label{eq:condition} $$103\124\143\332\342\314\272\146\345\117\104\172\133\331\152\201$$

\053\100\325\177\371\001\047\130\054\310\355\110\221\174\077\246 \000\317\304\051\163\021\066\336\206\031\076\235\356\031\212\033 $\label{eq:condition} $$ 325 \ 260 \ 355 \ 216 \ 075 \ 234 \ 052 \ 300 \ 015 \ 330 \ 075 \ 146 \ 343 \ 074 \ 015 \ 275$ \325\224\134\342\342\247\065\033\004\000\366\077\132\215\352\103 \275\137\211\035\251\301\260\314\231\342\115\000\012\332\311\047 \133\347\023\220\134\344\365\063\242\125\155\334\340\011\115\057 \261\046\133\047\165\000\011\304\142\167\051\010\137\236\131\254 \266\176\255\237\124\060\042\003\301\036\161\144\376\371\070\012 \226\030\335\002\024\254\043\313\006\034\036\244\175\215\015\336 \047\101\350\255\332\025\267\260\043\335\053\250\323\332\045\207 \355\350\125\104\115\210\364\066\176\204\232\170\254\367\016\126 \111\016\326\063\045\326\204\120\102\154\040\022\035\052\325\276 \274\362\160\201\244\160\140\276\005\265\233\236\004\104\276\141 $\label{eq:condition} $$ \043\254\351\245\044\214\021\200\224\132\242\242\271\111\322\301 $$$ \334\321\247\355\061\021\054\236\031\246\356\341\125\341\300\352 \317\015\204\344\027\267\242\174\245\336\125\045\006\356\314\300 \207\134\100\332\314\225\077\125\340\065\307\270\204\276\264\135 \315\172\203\001\162\356\207\346\137\035\256\265\205\306\046\337 $\label{eq:condition} $\346\301\232\351\036\002\107\237\052\250\155\251\133\317\354\105$ \167\177\230\047\232\062\135\052\343\204\356\305\230\146\057\226 \040\035\335\330\303\047\327\260\371\376\331\175\315\320\237\217 $\label{eq:condition} $$ \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

 $\label{eq:condition} $$ \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
\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

 $\label{eq:condition} $$ \0011\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 $\label{eq:condition} $$ \276\06\015\006\011\052\206\110\206\367\015\001\001\013\005\000 $$$ $\label{eq:condition} $$ \060\121\061\013\060\011\006\003\125\004\006\023\002\124\127\061 $$$ \022\060\020\006\003\125\004\012\023\011\124\101\111\127\101\116 $\begin{tabular}{l} $$ \begin{tabular}{l} $0.055 \ 1.03 \ 1.01 \ 0.061 \ 0.060 \ 0.016 \ 0.006 \ 0.03 \ 1.25 \ 0.04 \ 0.13 \ 0.023 \ 0.07 \ 1.22 \ 1.57 \ 0.04 \ 0.060 \ 0.06$ \157\164\040\103\101\061\034\060\032\006\003\125\004\003\023\023 \124\127\103\101\040\107\154\157\142\141\154\040\122\157\157\164 $\label{eq:condition} $$ \040\103\101\060\036\027\015\061\062\060\066\062\067\060\066\062$ \070\063\063\132\027\015\063\060\061\062\063\061\061\065\065\071 \065\071\132\060\121\061\013\060\011\006\003\125\004\006\023\002 \127\101\116\055\103\101\061\020\060\016\006\003\125\004\013\023 \007\122\157\157\164\040\103\101\061\034\060\032\006\003\125\004 \003\023\023\124\127\103\101\040\107\154\157\142\141\154\040\122 \157\157\164\040\103\101\060\202\002\042\060\015\006\011\052\206 \110\206\367\015\001\001\001\005\000\003\202\002\017\000\060\202 \002\012\002\202\002\001\000\260\005\333\310\353\214\304\156\212 \041\357\216\115\234\161\012\037\122\160\355\155\202\234\227\305 \327\114\116\105\111\313\100\102\265\022\064\154\031\302\164\244 \061\137\205\002\227\354\103\063\012\123\322\234\214\216\267\270 \171\333\053\325\152\362\216\146\304\356\053\001\007\222\324\263 \320\002\337\120\366\125\257\146\016\313\340\107\140\057\053\062 \071\065\122\072\050\203\370\173\026\306\030\270\142\326\107\045 \221\316\360\031\022\115\255\143\365\323\077\165\137\051\360\241 \060\034\052\240\230\246\025\275\356\375\031\066\360\342\221\103 $\label{eq:condition} $$ \frac{372}{312}\frac{326}{020}\frac{47}{111}\frac{1357}{335}\frac{301}{361}\frac{205}{160}\frac{233}{312} $$$ \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 $\label{eq:condition} $$ \274\277\052\274\133\300\120\217\101\160\161\207\262\115\267\004$$ \251\204\243\062\257\256\356\153\027\213\262\261\376\154\341\220 $\label{eq:condition} $$ \frac{214}{210}\frac{250}{227}\frac{316}{310}\frac{310}{115}\frac{333}{363}\frac{363}{006}\frac{317}{137}\frac{152}{012}\frac{102}{102} $$$ \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 $\label{eq:condition} $$ \000\003\125\035\023\001\001\377\004\005\060\003\001\001 $$$ \377\060\015\006\011\052\206\110\206\367\015\001\001\013\005\000 $\label{eq:condition} $$ \003\202\002\001\000\137\064\201\166\357\226\035\325\345\265\331 $$$ \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 $\label{eq:condition} $$ 340\362\271\304\105\010\041\012\332\151\151\163\162\015\276\064$$$ \376\224\213\255\303\036\065\327\242\203\357\345\070\307\245\205 $\label{eq:condition} $$ \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

 $\label{eq:condition} $$ \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

 $\label{eq:condition} $$ \371\003\176\317\346\236\074\163\172\052\220\007\151\377\053\226$

END

CKA_ISSUER MULTILINE_OCTAL

 $\label{eq:condition} $$ \060\121\061\013\060\011\006\003\125\004\006\023\002\124\127\061 $$$

 $\label{eq:condition} $$ \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

 $\\ 124 \\ 127 \\ 103 \\ 101 \\ 040 \\ 107 \\ 154 \\ 157 \\ 142 \\ 141 \\ 154 \\ 040 \\ 122 \\ 157 \\ 157 \\ 164$

\040\103\101

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

 $\label{eq:condition} $$ \002\02\014\276$$

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

END

CKA_ID UTF8 "0"

CKA ISSUER MULTILINE OCTAL

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

 $\label{eq:condition} $$ \020\021\000\225\276\026\240\367\056\106\361\173\071\202\162\372 \213\315\226$

END

CKA_VALUE MULTILINE_OCTAL

\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 $\label{eq:condition} $$ \225\060\026\220\177\350\127\007\110\347\031\256\277\105\147\261 $$$ \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 $\label{eq:condition} $$ \376\065\341\355\120\173\251\060\215\031\323\011\216\150\147\135$ $\label{eq:condition} $$ \277\074\227\030\123\273\051\142\305\312\136\162\301\307\226\324 $$$ \333\055\240\264\037\151\003\354\352\342\120\361\014\074\360\254 \363\123\055\360\034\365\355\154\071\071\163\200\026\310\122\260 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ 166\334\050\113\020\040\034\323\177\026\167\055\355\157\200\367$ \111\273\123\005\273\135\150\307\324\310\165\026\077\211\132\213 \367\027\107\324\114\361\322\211\171\076\115\075\230\250\141\336 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \260\072\053\363\066\240\254\057\344\157\141\302\121\011\071\076$$$ \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 $\label{eq:condition} $$ \320\177\237\263\264\052\067\073\160\213\233\133\271\053\267\354$$ \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 $\label{eq:condition} $$ 130\026\113\336\272\220\377\107\001\211\006\152\366\137\262\220 $$$ \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 $\label{eq:condition} $$ \367\015\001\001\005\005\000\003\202\002\001\000\276\344\134\142 $$$ \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 $\label{eq:condition} $$ \031\346\253\114\021\070\305\157\061\342\156\111\310\077\166\200 $$$

\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 $\label{eq:condition} $$ \31\040\113\336\017\373\222\205\165\052\134\163\215\155\173\045 $$$ \221\312\356\105\256\006\113\000\314\323\261\131\120\332\072\210 $\label{eq:condition} $$ \073\051\103\106\136\227\053\124\316\123\157\215\112\347\226\372$ \277\161\016\102\213\174\375\050\240\320\110\312\332\304\201\114 \273\242\163\223\046\310\353\014\326\046\210\266\300\044\317\273 $\label{eq:condition} $$ \275\133\353\165\175\351\010\216\206\063\054\171\167\011\151\245 $$$ \211\374\263\160\220\207\166\217\323\042\273\102\316\275\163\013 \040\046\052\320\233\075\160\036\044\154\315\207\166\251\027\226 \267\317\015\222\373\216\030\251\230\111\321\236\376\140\104\162 $\label{eq:condition} $$ \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

 ${\sf CKA_PRIVATE\ CK_BBOOL\ CK_FALSE}$

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
\label{eq:condition} $$ \002\021\000\225\276\026\240\367\056\106\361\173\071\202\162\372 $$
\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
\label{eq:condition} $$ \060\201\262\061\013\060\011\006\003\125\004\006\023\002\124\122 $$
\061\017\060\015\006\003\125\004\007\014\006\101\156\153\141\162
\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

END

CKA SERIAL NUMBER

MULTILINE_OCTAL

 $\label{eq:condition} $$ \002\010\152\150\076\234\121\233\313\123$$

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 $\label{eq:condition} $$ \0.01 \0.01 \0.01 \0.05 \0.00 \0.060 \2.01 \2.62 \0.061 \0.013 \0.060 \0.011 \0.060 \0.03 \1.25 \0.060$ \004\006\023\002\124\122\061\017\060\015\006\003\125\004\007\014 \006\101\156\153\141\162\141\061\100\060\076\006\003\125\004\012 $\label{eq:condition} $$ \0.014\0.67\1.05\0.055\1.24\1.65\3.04\2.37\1.62\1.41\0.40\1.05\1.02\1.07\0.40\1.02$ \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 $\label{eq:condition} $$ \frac{156}040\\101\\165\\164\\150\\157\\162\\151\\164\\171\\060\\036\\027\\015\\061$ \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 $\label{eq:condition} $$ \001\005\000\003\202\002\017\000\060\202\002\012\002\202\002\011$ \000\342\365\077\223\005\121\036\205\142\124\136\172\013\365\030 \007\203\256\176\257\174\367\324\212\153\245\143\103\071\271\113 $\label{eq:condition} $$ 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 $\label{eq:condition} $$ \017\230\160\370\214\205\036\164\216\222\155\033\100\321\231\015$$ \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 $\label{eq:condition} $$ \frac{310}{241}\frac{366}{124}\frac{316}{336}\frac{3217}{227}\frac{33}{272}\frac{33}{100}\frac{002}{014}\frac{44}{144} $$$ \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 $\label{eq:condition} $$ \frac{174 \cdot 056 \cdot 066 \cdot 346 \cdot 120 \cdot 034 \cdot 077 \cdot 333 \cdot 103 \cdot 044 \cdot 305 \cdot 277 \cdot 206 \cdot 107 \cdot 171 \cdot 263}{107 \cdot 171 \cdot 171$ \171\034\367\132\364\023\354\154\370\077\342\131\037\225\356\102 \076\271\255\250\062\205\111\227\106\376\113\061\217\132\313\255 \164\107\037\351\221\267\337\050\004\042\240\324\017\135\342\171 \117\352\154\205\206\275\250\246\316\344\372\303\341\263\256\336 $\label{eq:condition} $$ \sqrt{074}121\356\313\023\174\001\177\204\016\135\121\224\236\023\014$$ \266\056\245\114\371\071\160\066\157\226\312\056\014\104\125\305 \312\372\135\002\243\337\326\144\214\132\263\001\012\251\265\012 $\label{eq:condition} $$ 107 \ 027 \ 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 $\label{eq:condition} $$ 105\002\003\001\000\001\243\143\060\141\060\035\006\003\125\035 $$$ $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \007\113\312\151\232\262\204\172\167\223\105\027\025\237\044\320 $$$ $\label{eq:condition} $$ \230\022\377\273\240\056\375\116\114\207\370\316\134\252\230 $$$ \033\005\340\000\106\112\202\200\245\063\213\050\334\355\070\323 $\label{eq:condition} $$ 37\345\076\351\376\373\131\335\141\204\117\322\124\226\023\141 $$$ \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 $\verb|\|210|012|231|157|176|341|316|033|123|152|104|146|043|121|010|173|$ \274\133\122\242\375\006\067\070\100\141\217\112\226\270\220\067 $\label{eq:condition} $$ \370\146\307\170\220\000\025\056\213\255\121\065\123\007\250\153$ $\label{eq:condition} $$ \frac{315}{256}\frac{371}{116}\frac{0074}{007}\frac{46}{315}\frac{010}{005}\frac{160}{314}\frac{14071}{077}\frac{166}{275} $$$ \245\323\147\046\001\206\246\123\322\140\073\174\103\177\125\212 \274\225\032\301\050\071\114\037\103\322\221\364\162\131\212\271 \126\374\077\264\235\332\160\234\166\132\214\103\120\356\216\060 \162\115\337\377\111\367\306\251\147\331\155\254\002\021\342\072 $\label{eq:condition} $$ \026\045\247\130\010\313\157\123\101\234\110\070\107\150\063\321 $$$ \327\307\217\324\164\041\324\303\005\220\172\377\316\226\210\261 \025\051\135\043\253\320\140\241\022\117\336\364\027\315\062\345 \311\277\310\103\255\375\056\216\361\257\342\364\230\372\022\037 \040\330\300\247\014\205\305\220\364\073\055\226\046\261\054\276 $\label{eq:condition} $$ \frac{114\253\353\261\322\212\311\333\170\023\017\036\011\235\155\217}{1235\155\217} $$$ $\label{eq:condition} $$ \000\237\002\332\301\372\037\172\172\011\304\112\346\210\052\227 $$$ \237\211\213\375\067\137\137\072\316\070\131\206\113\257\161\013 \264\330\362\160\117\237\062\023\343\260\247\127\345\332\332\103 \313\204\064\362\050\304\352\155\364\052\357\301\153\166\332\373 \176\273\205\074\322\123\302\115\276\161\341\105\321\375\043\147 $\label{eq:condition} $$ \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"
```

Open Source Used In vmoperator diamond 763

[#] 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
\label{eq:condition} $$ \270\241\003\143\260\275\041\161\160\212\157\023\072\273\171\111
END
CKA_ISSUER MULTILINE_OCTAL
\label{eq:condition} $$ \060\201\262\061\013\060\011\006\003\125\004\006\023\002\124\122 $$
\061\017\060\015\006\003\125\004\007\014\006\101\156\153\141\162
\label{eq:condition} $$ 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
\305\236\056\061\046\060\044\006\003\125\004\013\014\035\105\055
\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

 $\label{eq:condition} $$ \000\201\202\061\013\060\011\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\166\0043\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

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL \002\001\001

END

CKA VALUE MULTILINE OCTAL

\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 \110\061\037\060\035\006\003\125\004\013\014\026\124\055\123\171 \163\164\145\155\163\040\124\162\165\163\164\040\103\145\156\164 \145\162\061\045\060\043\006\003\125\004\003\014\034\124\055\124 $\\ 145 \\ 154 \\ 145 \\ 123 \\ 145 \\ 143 \\ 040 \\ 107 \\ 154 \\ 157 \\ 142 \\ 141 \\ 154 \\ 122 \\ 157 \\ 157 \\$ \164\040\103\154\141\163\163\040\062\060\202\001\042\060\015\006 \011\052\206\110\206\367\015\001\001\001\005\000\003\202\001\017 $\label{eq:condition} $$ \000\060\202\001\012\002\202\001\001\000\252\137\332\033\137\350 $$$ \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 $\label{eq:condition} $$ \031\356\151\217\311\040\374\041\252\007\031\355\260\134\254\145 $$$ $\label{eq:condition} $$ 307\137\355\002\174\173\174\055\033\326\272\271\200\302\030\202$ \026\204\372\146\260\010\306\124\043\201\344\315\271\111\077\366 $\label{eq:condition} $$ \frac{117}{156}067\frac{110}{050}070\frac{017}{305}276\frac{347}{150}\frac{160}{375}071\frac{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 $\label{eq:condition} $\374\351\172\305\154\251\161\117\352\313\170\274\140\257\307\336$ \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 $\label{eq:condition} $$ 102\060\100\060\017\006\003\125\035\023\001\001\377\004\005\060 $$$ \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 $\label{eq:condition} $$ 131\040\066\000\171\240\240\042\153\214\325\362\141\322\270\054$$$ \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 $\label{eq:condition} $$ \204\130\145\342\333\053\212\347\045\123\067\142\123\137\274\332 $$$ $\label{eq:condition} $$ \001\142\051\242\246\047\161\346\072\042\176\301\157\035\225\160$$$ \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

 $\label{eq:condition} $$ 131\langle 015\langle 055\langle 175\langle 210\langle 117\langle 100\langle 056\langle 141\langle 176\langle 245\langle 142\langle 062\langle 027\langle 145\langle 317\rangle 126\langle 142\langle 062\langle 027\langle 142\langle 027\rangle 126\langle 142\langle 062\langle 027\langle 142\langle 027\rangle 126\langle 142\rangle 126\langle 142\langle 027\rangle 126\langle 142\langle 027\rangle 126\langle 142\rangle 126\langle 142\langle 027\rangle 126\langle 142\rangle 126\langle 142\rangle 126\langle 142\langle 027\rangle 126\langle 142\rangle 126\langle 142\rangle$

\027\330\224\351

END

CKA CERT MD5 HASH MULTILINE OCTAL

 $\label{eq:condition} $$ \053\233\236\344\173\154\037\000\162\032\314\301\167\171\337\152$

END

CKA_ISSUER MULTILINE_OCTAL

 $\label{eq:condition} $$ \000\201\202\061\013\060\011\006\003\125\004\006\023\002\104\105$

 $\label{eq:condition} $$ 123\145\162\166\151\143\145\163\040\107\155\142\110\061\037\060$$

 $\label{eq:condition} $$ \035\006\003\125\004\013\014\026\124\055\123\171\163\164\145\155$$

\141\163\163\040\062

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\002\001\001

END

 ${\tt CKA_TRUST_SERVER_AUTH\ CK_TRUST\ CKT_NSS_TRUSTED_DELEGATOR}$

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

 $\label{eq:condition} $$ \060\074\061\036\060\034\006\003\125\004\003\014\025\101\164\157 $$$

\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

\163\061\013\060\011\006\003\125\004\006\023\002\104\105

END

CKA SERIAL NUMBER MULTILINE OCTAL

 $\label{eq:condition} $$ \002\010\134\063\313\142\054\137\263\062$$

END

CKA_VALUE MULTILINE_OCTAL

 $\label{eq:condition} $$ \060\202\03\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\001\3005\000\060\0074\061\003\000\3125\004\003\125\004\003\125\004\006\003\125\004\006\002\002\104\105\060\036\027\015\061\061\060\067\060\067\061\064\065\070\063\060\132\027\015\063\060\003\125\004\003\125\004\006\007\1\065\071\132\060\074\061\036\060\034\006\003\125\004\003\014$

\025\101\164\157\163\040\124\162\165\163\164\145\144\122\157\157 \164\040\062\060\061\061\061\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 $\label{eq:condition} $$ \001\000\225\205\073\227\157\052\073\056\073\317\246\363\051 $$$ \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 $\label{eq:condition} $$ \014\374\202\375\155\301\162\142\047\275\352\153\353\347\212\314 $$$ \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 $\label{eq:condition} $$ \007\047\307\033\226\053\141\164\161\154\103\361\367\065\211\020 $$$ \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 $\label{eq:condition} $$ 125\035\016\004\026\004\024\247\245\006\261\054\246\011\140\356 $$$ \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 $\label{eq:condition} $$ \03125\035\040\004\021\060\017\060\015\006\013\053\006\001\004$ \001\260\055\003\004\001\001\060\016\006\003\125\035\017\001\001 \377\004\004\003\002\001\206\060\015\006\011\052\206\110\206\367 \110\206\052\101\235\054\076\006\220\140\304\214\254\013\124\270 \037\271\173\323\007\071\344\372\076\173\262\075\116\355\237\043 \275\227\363\153\134\357\356\375\100\246\337\241\223\241\012\206 \254\357\040\320\171\001\275\170\367\031\330\044\061\064\004\001 \246\272\025\232\303\047\334\330\117\017\314\030\143\377\231\017 \016\221\153\165\026\341\041\374\330\046\307\107\267\246\317\130 \211\366\264\017\070\265\342\144\334\045\317\246\333\353\232\134 \231\241\305\010\336\375\346\332\325\326\132\105\014\304\267\302 \265\024\357\264\021\377\016\025\265\365\365\333\306\275\353\132 \247\360\126\042\251\074\145\124\306\025\250\275\206\236\315\203 \226\150\172\161\201\211\341\013\341\352\021\033\150\010\314\151 \236\354\236\101\236\104\062\046\172\342\207\012\161\075\353\344 \132\244\322\333\305\315\306\336\140\177\271\363\117\104\222\357 \052\267\030\076\247\031\331\013\175\261\067\101\102\260\272\140 $\label{eq:condition} $$ \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
\163\061\013\060\011\006\003\125\004\006\023\002\104\105
END
CKA SERIAL NUMBER MULTILINE OCTAL
\002\010\134\063\313\142\054\137\263\062
END
CKA TRUST SERVER AUTH CK TRUST CKT NSS TRUSTED DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
# Certificate "QuoVadis Root CA 1 G3"
# Issuer: CN=QuoVadis Root CA 1 G3,Q=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

 $\label{eq:condition} $$ \000110061013060011006003125004006023002102\\115061 \031060027\\006003\\125004012\\023020\\121\\165\\157\\126\\141\\144 \051036\\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

 $\label{eq:condition} $$ \00110061013060011006003125004006023002102\\115061 \031060027\\006003\\125004\\012\\023\\020\\121\\165\\157\\126\\141\\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\002\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 $\label{eq:condition} $$ \006\003\125\004\003\023\025\121\165\157\126\141\144\151\163\040 $$$ \122\157\157\164\040\103\101\040\061\040\107\063\060\036\027\015 \061\062\060\061\061\062\061\067\062\067\064\064\132\027\015\064 \062\060\061\061\062\061\067\062\067\064\064\132\060\110\061\013 \060\011\006\003\125\004\006\023\002\102\115\061\031\060\027\006 \003\125\004\012\023\020\121\165\157\126\141\144\151\163\040\114 \151\155\151\164\145\144\061\036\060\034\006\003\125\004\003\023 \025\121\165\157\126\141\144\151\163\040\122\157\157\164\040\103 \101\040\061\040\107\063\060\202\002\042\060\015\006\011\052\206 \110\206\367\015\001\001\001\005\000\003\202\002\017\000\060\202

\002\012\002\202\002\001\000\240\276\120\020\216\351\362\154\100 \264\004\234\205\271\061\312\334\055\344\021\251\004\074\033\125 \301\347\130\060\035\044\264\303\357\205\336\214\054\341\301\075 $\label{eq:condition} $$ 37\202\346\117\255\107\207\154\354\133\111\301\112\325\273\217 $$$ \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 $\label{eq:condition} $$ \frac{353}{305}\frac{337}{273}\frac{016}{234}\frac{300}{215}\frac{207}{343}\frac{210}{070}\frac{205}{147}\frac{372}{076} $$$ \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 $\label{eq:condition} $$ \066\07\201\233\076\006\372\122\136\143\305\246\000\376\245\351 $$$ $\label{eq:condition} $$ \frac{122\033\122\265\222\071\162\003\011\142\275\260\140\026\156\246}{246}$$ \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 $\verb|230|043|354|010|167|034|225|135|141|321|313|211|234|137|242|112|$ \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 $\label{eq:condition} $$ \frac{327}134\\011\\040\\267\\177\\224\\271\\117\\361\\015\\034\\136\\210\\102$ \033\021\267\347\221\333\236\154\364\152\337\214\006\230\003\255 \314\050\357\245\107\363\123\002\003\001\000\001\243\102\060\100 \060\017\006\003\125\035\023\001\001\377\004\005\060\003\001\001 \377\060\016\006\003\125\035\017\001\001\377\004\004\003\002\001 \006\060\035\006\003\125\035\016\004\026\004\024\243\227\326\363 \136\242\020\341\253\105\237\074\027\144\074\356\001\160\234\314 $\label{eq:condition} $$ \006\011\052\206\110\206\367\015\001\001\013\005\000\003$ $\label{eq:condition} $$ \202\001\000\030\372\133\165\374\076\172\307\137\167\307\312 $$$ \337\317\137\303\022\304\100\135\324\062\252\270\152\327\325\025 \025\106\230\043\245\346\220\133\030\231\114\343\255\102\243\202 \061\066\210\315\351\373\304\004\226\110\213\001\307\215\001\317 \133\063\006\226\106\146\164\035\117\355\301\266\271\264\015\141 \314\143\176\327\056\167\214\226\034\052\043\150\153\205\127\166 \160\063\023\376\341\117\246\043\167\030\372\032\214\350\275\145 \311\317\077\364\311\027\334\353\307\274\300\004\056\055\106\057 \151\146\303\033\217\376\354\076\323\312\224\277\166\012\045\015 \251\173\002\034\251\320\073\137\013\300\201\072\075\144\341\277

\247\055\116\275\115\304\330\051\306\042\030\320\305\254\162\002 \202\077\252\072\242\072\042\227\061\335\010\143\303\165\024\271 \140\050\055\133\150\340\026\251\146\202\043\121\365\353\123\330 $\label{eq:condition} $$ \061\233\173\351\267\235\113\353\210\026\317\371\135\070\212\111 $$$ \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 $\label{eq:condition} $$ \035\325\242\120\314\101\373\101\024\303\275\326\311\132\243\143$ $\label{eq:condition} $$ 146\002\200\275\005\072\073\107\234\354\000\046\114\365\210\121 $$$ \277\250\043\177\030\007\260\013\355\213\046\241\144\323\141\112 \353\134\237\336\263\257\147\003\263\037\335\155\135\151\150\151 \253\136\072\354\174\151\274\307\073\205\116\236\025\271\264\025 \117\303\225\172\130\327\311\154\351\154\271\363\051\143\136\264 $\label{eq:condition} $$ \054\360\055\075\355\132\145\340\251\133\100\302\110\231\201\155$ \236\037\006\052\074\022\264\213\017\233\242\044\360\246\215\326 \172\340\113\266\144\226\143\225\204\302\112\315\034\056\044\207 \063\140\345\303

END

CKA_NSS_MOZILLA_CA_POLICY

CK BBOOL CK TRUE

CKA NSS SERVER 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

 ${\tt CKA_CLASS\ CK_OBJECT_CLASS\ CKO_NSS_TRUST}$

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

 $\label{eq:condition} $$ \033\216\352\127\226\051\032\311\071\352\270\012\201\032\163\163$

\300\223\171\147

END

```
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\label{eq:condition} $\244\274\133\077\376\067\232\372\144\360\342\372\005\075\013\253
END
CKA ISSUER
MULTILINE OCTAL
\060\110\061\013\060\011\006\003\125\004\006\023\002\102\115\061
\031\060\027\006\003\125\004\012\023\020\121\165\157\126\141\144
\151\163\040\114\151\155\151\164\145\144\061\036\060\034\006\003
\125\004\003\023\025\121\165\157\126\141\144\151\163\040\122\157
\157\164\040\103\101\040\061\040\107\063
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\024\170\130\137\056\255\054\031\113\343\067\007\065\064\023
\050\265\226\324\145\223
END
CKA TRUST SERVER AUTH CK TRUST CKT NSS TRUSTED DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA TRUST CODE SIGNING CK TRUST CKT NSS MUST VERIFY TRUST
CKA TRUST STEP UP APPROVED CK BBOOL CK FALSE
# Certificate "QuoVadis Root CA 2 G3"
# Issuer: CN=QuoVadis Root CA 2 G3,O=QuoVadis Limited,C=BM
# Serial Number:44:57:34:24:5b:81:89:9b:35:f2:ce:b8:2b:3b:5b:a7:26:f0:75:28
# Subject: CN=QuoVadis Root CA 2 G3,O=QuoVadis Limited,C=BM
# Not Valid Before: Thu Jan 12 18:59:32 2012
# Not Valid After
: Sun Jan 12 18:59:32 2042
# Fingerprint (SHA-256):
8F:E4:FB:0A:F9:3A:4D:0D:67:DB:0B:EB:B2:3E:37:C7:1B:F3:25:DC:BC:DD:24:0E:A0:4D:AF:58:B4:7E:18:40
# Fingerprint (SHA1): 09:3C:61:F3:8B:8B:DC:7D:55:DF:75:38:02:05:00:E1:25:F5:C8:36
CKA CLASS CK OBJECT CLASS CKO CERTIFICATE
CKA TOKEN CK BBOOL CK TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA LABEL UTF8 "QuoVadis Root CA 2 G3"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\110\061\013\060\011\006\003\125\004\006\023\002\102\115\061
\031\060\027\006\003\125\004\012\023\020\121\165\157\126\141\144
\151\163\040\114\151\155\151\164\145\144\061\036\060\034\006\003
\125\004\003\023\025\121\165\157\126\141\144\151\163\040\122\157
\157\164\040\103\101\040\062\040\107\063
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\110\061\013\060\011\006\003\125\004\006\023\002\102\115\061
```

\031\060\027\006\003\125\004\012\023\020\121\165\157\126\141\144 \151\163\040\114\151\155\151\164\145\144\061\036\060\034\006\003 \125\004\003\023\025\121\165\157\126\141\144\151\163\040\122\157 \157\164\040\103\101\040\062\040\107\063

END

CKA_SERIAL_NUMBER

MULTILINE OCTAL

END

CKA_VALUE MULTILINE_OCTAL

 $\label{eq:condition} $$ \0.000\0.0$ \127\064\044\133\201\211\233\065\362\316\270\053\073\133\247\046 $\label{eq:condition} $$ \360\165\050\060\015\006\011\052\206\110\206\367\015\001\001\013$ $\label{eq:condition} $$ \005\000\060\110\061\013\060\011\006\003\125\004\006\023\002\102 $$$ \115\061\031\060\027\006\003\125\004\012\023\020\121\165\157\126 \141\144\151\163\040\114\151\155\151\164\145\144\061\036\060\034 \006\003\125\004\003\023\025\121\165\157\126\141\144\151\163\040 \122\157\157\164\040\103\101\040\062\040\107\063\060\036\027\015 \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 $\label{eq:condition} $$ \003\125\004\012\023\020\121\165\157\126\141\144\151\163\040\114 $$$ \151\155\151\164\145\144\061\036\060\034\006\003\125\004\003\023 $\label{eq:condition} $$ \025\121\165\157\126\141\144\151\163\040\122\157\157\164\040\103$ \101\040\062\040\107\063\060\202\002\042\060\015\006\011\052\206 \110\206\367\015\001\001\001\005\000\003\202\002\017\000\060\202 $\label{eq:condition} $$ \002\01\002\02\001\000\241\256\045\262\001\030\334\127\210 $$$ \077\106\353\371\257\342\353\043\161\342\232\321\141\146\041\137 \252\257\047\121\345\156\033\026\324\055\175\120\260\123\167\275 \170\072\140\342\144\002\233\174\206\233\326\032\216\255\377\037 \025\177\325\225\036\022\313\346\024\204\004\301\337\066\263\026 \237\212\343\311\333\230\064\316\330\063\027\050\106\374\247\311 \360\322\264\325\115\011\162\111\371\362\207\343\251\332\175\241 \175\153\262\072\045\251\155\122\104\254\370\276\156\373\334\246 \163\221\220\141\246\003\024\040\362\347\207\243\210\255\255\240 \214\377\246\013\045\122\045\347\026\001\325\313\270\065\201\014 $\label{eq:condition} $\243\073\360\341\341\374\132\135\316\200\161\155\370\111\253\076$ $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \371\277\102\002\277\046\310\306\217\340\156\070\175\123\055\345$$ $\label{eq:condition} $$ \frac{355}{230} \frac{263}{225} \frac{143}{150} \frac{177}{371} \frac{65}{364} \frac{337}{210} \frac{305}{140} \frac{65}{222}$ \300\174\151\034\141\225\026\320\353\336\013\257\076\004\020\105 \145\130\120\070\257\110\362\131\266\026\362\074\015\220\002\306 $\label{eq:condition} $$ 160\056\001\255\074\025\327\002\003\001\000\001\243\102\060\100 $$$ \060\017\006\003\125\035\023\001\001\377\004\005\060\003\001\001 \377\060\016\006\003\125\035\017\001\001\377\004\004\003\002\001 $\\ \\006\\003\\006\\003\\125\\035\\016\\004\\026\\004\\022\\355\\347\\157\\166$ \132\277\140\354\111\133\306\245\167\273\162\026\161\233\304\075 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \026\212\130\114\110\017\350\204\141\352\074\162\246\167\344\102$ \256\210\243\103\130\171\176\256\312\245\123\015\251\075\160\275 $\\ \\ 040\\ \\ 031\\ \\ 141\\ \\ 244\\ \\ 154\\ \\ 070\\ \\ 374\\ \\ 103\\ \\ 062\\ \\ 341\\ \\ 301\\ \\ 107\\ \\ 377\\ \\ 370\\ \\ 354\\ \\ 361$ $\label{eq:condition} $$ \021\042\062\226\234\302\366\133\151\226\173\040\014\103\101\232 $$$ \133\366\131\031\210\336\125\210\067\121\013\170\134\012\036\243 \102\375\307\235\210\017\300\362\170\002\044\124\223\257\211\207 \210\311\112\200\035\352\320\156\076\141\056\066\273\065\016\047 \226\375\146\064\073\141\162\163\361\026\134\107\006\124\111\000 $\label{eq:condition} $$ \frac{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 \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 $\label{eq:condition} $$ \035\123\262\116\205\173\006\070\307\054\370\370\260\162\215\045$$$ \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 $\label{eq:condition} $$ 131\052\366\107\075\031\210\055\350\205\341\236\354\205\010\152$ $\label{eq:condition} $$ \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 "OuoVadis 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

 $\label{eq:condition} $$ \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

 $\label{eq:condition} $$ \060\110\061\013\060\011\006\003\125\004\006\023\002\102\115\061\$

 $\label{eq:condition} $$ \004\002\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

 ${\tt CKA_TRUST_CODE_SIGNING\ CK_TRUST\ CKT_NSS_MUST_VERIFY_TRUST}$

CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#

```
# Certificate "QuoVadis Root CA 3 G3"
```

#

- # Issuer: CN=QuoVadis Root CA 3 G3,O=QuoVadis Limited,C=BM
- # Serial Number:2e:f5:9b:02:28:a7:db:7a:ff:d5:a3:a9:ee:bd:03:a0:cf:12:6a:1d
- # Subject: CN=QuoVadis Root CA 3 G3,O=QuoVadis Limited,C=BM
- # Not Valid Before: Thu Jan 12 20:26:32 2012
- # Not Valid After: Sun Jan 12 20:26:32 2042
- # Fingerprint (SHA-256):

#

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

 $\label{eq:condition} $$ \060\110\061\013\060\011\006\003\125\004\006\023\002\102\115\061$$$

 $\label{eq:condition} $$ \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

 $\label{eq:condition} $$ \001\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\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 $\label{eq:condition} $$ \025\121\165\157\126\141\144\151\163\040\122\157\157\164\040\103$ \101\040\063\040\107\063\060\202\002\042\060\015\006\011\052\206 \110\206\367\015\001\001\001\005\000\003\202\002\017\000\060\202 \002\012\002\202\002\001\000\263\313\016\020\147\216\352\024\227 \247\062\052\012\126\066\177\150\114\307\263\157\072\043\024\221 \377\031\177\245\312\254\356\263\166\235\172\351\213\033\253\153 \061\333\372\013\123\114\257\305\245\032\171\074\212\114\377\254 \337\045\336\116\331\202\062\013\104\336\312\333\214\254\243\156 $\label{eq:condition} $$ \026\203\073\246\144\113\062\211\373\026\026\070\176\353\103\342 $$$ \323\164\112\302\142\012\163\012\335\111\263\127\322\260\012\205 \235\161\074\336\243\313\300\062\363\001\071\040\103\033\065\321 $\label{eq:condition} $$ \frac{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 $\label{eq:condition} $$ \041\020\271\375\251\322\050\312\020\071\011\312\023\066\317\234 $$$ \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 $\label{eq:condition} $$ \frac{150}{157}\frac{246}{056}\frac{201}{276}\frac{115}{157}\frac{257}{316}\frac{304}{105}\frac{23}{221} $$$ \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 $\label{eq:condition} $$ 324\124\071\253\046\243\063\352\165\201\332\055\315\017\117\344$$ \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 $\label{eq:condition} $$ \frac{314}{226}046022\\ 213\\ 205\\ 225\\ 127\\ 032\\ 253\\ 153\\ 165\\ 013\\ 104\\ 075\\ 021$ \050\074\173\141\267\342\217\147\117\345\354\074\114\140\200\151 \127\070\036\001\133\215\125\350\307\337\300\314\167\043\064\111 \165\174\366\230\021\353\055\336\355\101\056\024\005\002\177\340 \376\040\353\065\347\021\254\042\316\127\075\336\311\060\155\020 \003\205\315\361\377\214\026\265\301\262\076\210\154\140\177\220 \117\225\367\366\055\255\001\071\007\004\372\165\200\175\277\111 \120\355\357\311\304\174\034\353\200\176\333\266\320\335\023\376 \311\323\234\327\262\227\251\002\003\001\000\001\243\102\060\100 \377\060\016\006\003\125\035\017\001\001\377\004\004\003\002\001 \006\060\035\006\003\125\035\016\004\026\004\024\306\027\320\274 \250\352\002\103\362\033\006\231\135\053\220\040\271\327\234\344 \060\015\006\011\052\206\110\206\367\015\001\001\001\013\005\000\003 \202\002\001\000\064\141\331\126\265\022\207\125\115\335\243\065 $\label{eq:condition} $$ \061\106\273\244\007\162\274\137\141\142\350\245\373\013\067\261 $$$ \074\266\263\372\051\235\177\002\365\244\311\250\223\267\172\161 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \025\100\141\312\162\326\160\254\322\267\360\034\344\206\051\360 $$$ \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 $\label{eq:condition} $$ \frac{336}{147}023\frac{114}{201}025\frac{141}{274}267\frac{331}{221}\frac{167}{161}031\frac{140}{201}140$ \273\360\130\245\265\234\013\367\217\042\125\047\300\113\001\155 \073\231\015\324\035\233\143\147\057\320\356\015\312\146\274\224 \117\246\255\355\374\356\143\254\127\077\145\045\317\262\206\217 $\label{eq:condition} $$ 320\010\377\270\166\024\156\336\345\047\354\253\170\265\123\271 $$$ \266\077\350\040\371\322\250\276\141\106\312\207\214\204\363\371 \361\240\150\233\042\036\201\046\233\020\004\221\161\300\006\037 $\label{eq:condition} $\34\240\323\271\126\247\343\230\055\177\203\235\337\214\053\234$ \062\216\062\224\360\001\074\042\052\237\103\302\056\303\230\071 $\label{eq:condition} $$ \000\173\374\136\000\102\037\363\062\046\171\203\204\366\345 $$$ \360\301\121\022\300\013\036\004\043\014\124\245\114\057\111\305 \112\321\266\156\140\015\153\374\153\213\205\044\144\267\211\016 \253\045\107\133\074\317\176\111\275\307\351\012\306\332\367\176 \016\027\010\323\110\227\320\161\222\360\017\071\076\064\152\034 $\label{eq:condition} $$ \frac{330}{362}042\\256\\273\\151\\364\\063\\264\\246\\110\\125\\321\\017\\016$ $\\ \langle 046 \rangle 350 \rangle 354 \rangle 266 \rangle 013 \rangle 055 \rangle 247 \rangle 205 \rangle 065 \rangle 315 \rangle 375 \rangle 131 \rangle 310 \rangle 237 \rangle 321 \rangle 315$ \076\132\051\064\271\075\204\316\261\145\324\131\221\221\126\165 $\\ \langle 041 \rangle 301 \rangle 167 \rangle 236 \rangle 371 \rangle 172 \rangle 341 \rangle 140 \rangle 235 \rangle 323 \rangle 255 \rangle 004 \rangle 030 \rangle 364 \rangle 174 \rangle 353$ \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 $\label{eq:condition} $$ \frac{177}175\256\200\365\007\114\266\076\234\161\124\231\004\113\375}$$ \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
\label{eq:condition} $$ \frac{337}{175}\frac{271}{255}\frac{124}{157}\frac{150}{241}\frac{337}{211}\frac{127}{003}\frac{227}{103}\frac{260}{327} $$
END
CKA ISSUER MULTILINE OCTAL
\label{eq:condition} $$ \060\110\061\013\060\011\006\003\125\004\006\023\002\102\115\061\
\label{eq:condition} $$ \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
\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\165\165\162\145\144\040\111\104\040\122\157\157\164\040\107\062

END

CKA ID UTF8 "0"

CKA ISSUER MULTILINE OCTAL

 $\label{eq:condition} $$ \00145\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\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 $\label{eq:condition} $$ \223\034\072\326\071\147\352\147\043\277\303\257\232\364\113\060$$ \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 \044\060\042\006\003\125\004\003\023\033\104\151\147\151\103\145 \162\164\040\101\163\163\165\162\145\144\040\111\104\040\122\157 \157\164\040\107\062\060\036\027\015\061\063\060\070\060\061\061 \062\060\060\060\060\132\027\015\063\070\060\061\061\065\061\062 \060\060\060\060\132\060\145\061\013\060\011\006\003\125\004\006 \023\002\125\123\061\025\060\023\006\003\125\004\012\023\014\104 \151\147\151\103\145\162\164\040\111\156\143\061\031\060\027\006 \003\125\004\013\023\020\167\167\167\056\144\151\147\151\143\145 \162\164\056\143\157\155\061\044\060\042\006\003\125\004\003\023 \033\104\151\147\151\103\145\162\164\040\101\163\163\165\162\145 $\label{eq:condition} $$ 144\040\111\104\040\122\157\157\164\040\107\062\060\202\001\042 $$$ \060\015\006\011\052\206\110\206\367\015\001\001\001\005\000\003 \202\001\017\000\060\202\001\012\002\202\001\001\000\331\347\050 \057\122\077\066\162\111\210\223\064\363\370\152\036\061\124\200 \237\255\124\101\265\107\337\226\250\324\257\200\055\271\012\317 \165\375\211\245\175\044\372\343\042\014\053\274\225\027\013\063 \277\031\115\101\006\220\000\275\014\115\020\376\007\265\347\034 \156\042\125\061\145\227\275\323\027\322\036\142\363\333\352\154 \120\214\077\204\014\226\317\267\313\003\340\312\155\241\024\114 \033\211\335\355\000\260\122\174\257\221\154\261\070\023\321\351

\022\010\300\000\260\034\053\021\332\167\160\066\233\256\316\171 \207\334\202\160\346\011\164\160\125\151\257\243\150\237\277\335 \266\171\263\362\235\160\051\125\364\253\377\225\141\363\311\100 $\label{eq:condition} $$ \frac{321}{276}\frac{223}{273}\frac{323}{210}052\frac{273}{235}\frac{277}{162}\frac{132}{126}\frac{161}{161} $$$ $\label{eq:condition} $$ \073\077\324\363\321\012\376\050\357\243\356\331\231\257\003\323$ \217\140\267\362\222\241\261\275\211\211\037\060\315\303\246\056 \142\063\256\026\002\167\104\132\347\201\012\074\247\104\056\171 $\label{eq:condition} $$ \270\07\004\274\134\240\207\341\033\257\121\216\315\354\054\372 $$$ \370\376\155\360\072\174\252\213\344\147\225\061\215\002\003\001 \000\001\243\102\060\100\060\017\006\003\125\035\023\001\001\377 $\label{eq:condition} $$ \sqrt{377} \cdot 004 \cdot 004 \cdot 003 \cdot 002 \cdot 001 \cdot 206 \cdot 060 \cdot 035 \cdot 006 \cdot 003 \cdot 125 \cdot 035 \cdot 016 \cdot 004 \cdot 026$ \004\024\316\303\112\271\231\125\362\270\333\140\277\251\176\275 $\label{eq:condition} $$ \frac{26\\265\\227\\066\\247\\326\\060\\015\\006\\011\\052\\206\\110\\206\\367\\015$ $\label{eq:condition} $$ \001\001\005\000\003\202\001\001\000\312\245\125\214\343\310 $$$ \101\156\151\047\247\165\021\357\074\206\066\157\322\235\306\170 $\label{eq:condition} $$ \070\035\151\226\242\222\151\056\070\154\233\175\004\324\211\245 $$$ \261\061\067\212\311\041\314\253\154\315\213\034\232\326\277\110 \322\062\146\301\212\300\363\057\072\357\300\343\324\221\206\321 \120\343\003\333\163\167\157\112\071\123\355\336\046\307\265\175 \257\053\102\321\165\142\343\112\053\002\307\120\113\340\151\342 \226\154\016\104\146\020\104\217\255\005\353\370\171\254\246\033 $\label{eq:condition} $$ 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 $\label{eq:condition} $$ \007\234\242\272\331\001\162\134\363\115\301\335\016\261\034\015 $$$ \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 $\label{eq:condition} $$ \070\337\157\274\243\276\051\040\047\253\164\377\023\042\170\336 $$$ \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"
```

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

[#] 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_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
\label{eq:condition} $$ 162\164\040\111\156\143\061\031\060\027\006\003\125\004\013\023
\020\167\167\167\056\144\151\147\151\143\145\162\164\056\143\157
\label{eq:condition} $$ \frac{155}{061}\frac{044}{060}\frac{042}{006}\frac{125}{004}\frac{003}{023}\frac{33}{104}\frac{151}{147}\frac{151}{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
```

CKA PRIVATE CK BBOOL CK FALSE

 $\label{eq:condition} $$ \00145\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\003\125\004\003\125\004\003\125\004\151\147\151\143\145\162\164\040\101\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

 $\label{eq:condition} $$ \00145\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\023\104\151\147\151\143\145\162\164\056\144\151\147\151\143\145\162\164\040\101\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

\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 \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 $\label{eq:condition} $$ \023\020\167\167\167\056\144\151\147\151\143\145\162\164\056$$$ \147\151\103\145\162\164\040\101\163\163\165\162\145\144\040\111 $\label{eq:condition} $$ 104\040\122\157\157\164\040\107\063\060\166\060\020\006\007\052$$ \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 $\label{eq:control_loss} $$ 105\040\017\131\166\020\326\240\044\360\055\336\066\362\154\051\\ 1071\243\102\060\100\060\017\006\003\125\035\023\001\001\377\004\\ 1005\060\003\1001\377\060\016\006\003\125\035\017\001\001\377\\ 1004\004\003\002\001\206\060\035\006\003\125\035\016\004\026\004\\ 1024\313\320\275\251\341\230\005\121\241\115\067\242\203\171\316\\ 1215\035\052\344\204\060\012\006\010\052\206\110\316\075\004\003\\ 1003\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\\ 1046\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

END

CKA_ISSUER MULTILINE_OCTAL

 $\label{eq:condition} $$ \00145\001\003\125\004\0003\125\002\002\125\123\061 $$ \025\000\023\0006\003\125\0004\012\023\014\104\151\147\151\103\145 $$ \162\164\040\111\156\143\061\031\060\027\0006\003\125\0004\013\023 $$ \020\167\167\167\056\144\151\147\151\143\145\162\164\056\143\157 $$ \155\061\044\060\042\0006\003\125\0004\003\023\033\104\151\147\151 $$ \103\145\162\164\040\101\163\163\165\162\145\144\040\111\104\040 $$$

```
END
CKA SERIAL NUMBER MULTILINE OCTAL
\label{eq:condition} $$ \002\020\013\241\132\372\035\337\240\265\111\104\257\315\044\240 $$
\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
\label{eq:condition} $$ \060\141\061\013\060\011\006\003\125\004\006\023\002\125\123\061 $$
\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
\label{eq:condition} $$ \060\141\061\013\060\011\006\003\125\004\006\023\002\125\123\061 $$
\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
```

\122\157\157\164\040\107\063

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\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\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 $\label{eq:condition} $$ \040\111\156\143\061\031\060\027\006\003\125\004\013\023\020\167$ \167\167\056\144\151\147\151\143\145\162\164\056\143\157\155\061 $\\ \\ \langle 040 \rangle 060 \rangle 036 \rangle 006 \rangle 003 \rangle 125 \rangle 004 \rangle 003 \rangle 023 \rangle 027 \rangle 104 \rangle 151 \rangle 147 \rangle 151 \rangle 103 \rangle 145$ $\label{eq:condition} $$ 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 $\label{eq:condition} $$ \060\132\027\015\063\070\060\061\061\065\061\062\060\060\060\060$ \132\060\141\061\013\060\011\006\003\125\004\006\023\002\125\123 \061\025\060\023\006\003\125\004\012\023\014\104\151\147\151\103 \145\162\164\040\111\156\143\061\031\060\027\006\003\125\004\013 \023\020\167\167\167\056\144\151\147\151\143\145\162\164\056\143 \157\155\061\040\060\036\006\003\125\004\003\023\027\104\151\147 $\label{eq:local_state} $$ \frac{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 $\label{eq:condition} $$ \367\015\001\001\001\005\000\003\202\001\017\000\060\202\001\012$ \002\202\001\001\000\273\067\315\064\334\173\153\311\262\150\220 \255\112\165\377\106\272\041\012\010\215\365\031\124\311\373\210 $\label{eq:condition} $$ \33\363\256\362\072\211\221\074\172\346\253\006\032\153\317\254$$ \055\350\136\011\044\104\272\142\232\176\326\243\250\176\340\124 \165\040\005\254\120\267\234\143\032\154\060\334\332\037\031\261 \327\036\336\375\327\340\313\224\203\067\256\354\037\103\116\335 \173\054\322\275\056\245\057\344\251\270\255\072\324\231\244\266 \045\351\233\153\000\140\222\140\377\117\041\111\030\367\147\220 \253\141\006\234\217\362\272\351\264\351\222\062\153\265\363\127 \350\135\033\315\214\035\253\225\004\225\111\363\065\055\226\343 \111\155\335\167\343\373\111\113\264\254\125\007\251\217\225\263 \264\043\273\114\155\105\360\366\251\262\225\060\264\375\114\125 \214\047\112\127\024\174\202\235\315\163\222\323\026\112\006\014 \214\120\321\217\036\011\276\027\241\346\041\312\375\203\345\020 \274\203\245\012\304\147\050\366\163\024\024\075\106\166\303\207 \024\211\041\064\115\257\017\105\014\246\111\241\272\273\234\305 \261\063\203\051\205\002\003\001\000\001\243\102\060\100\060\017 \006\003\125\035\023\001\001\377\004\005\060\003\001\001\377\060 \016\006\003\125\035\017\001\001\377\004\004\003\002\001\206\060 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \210\277\370\217\260\141\014\064\244\256\040\114\204\306\333\370 $$$ $\label{eq:condition} $$ \065\341\166\331\337\246\102\273\307\104\010\206\177\066\164\044$ \132\332\154\015\024\131\065\275\362\111\335\266\037\311\263\015 \107\052\075\231\057\273\134\273\265\324\040\341\231\137\123\106 \025\333\150\233\360\363\060\325\076\061\342\215\204\236\343\212 $\label{eq:condition} $$ 32\32\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 $\\ \langle 046 \rangle 325 \rangle 157 \rangle 255 \rangle 335 \rangle 015 \rangle 306 \rangle 067 \rangle 175 \rangle 355 \rangle 003 \rangle 222 \rangle 033 \rangle 345 \rangle 167 \rangle 137 \rangle$ \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
\label{eq:condition} $$ \002\020\003\072\361\346\247\021\251\240\273\050\144\261\035\011 $$
\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
\label{eq:condition} $$ \060\141\061\013\060\011\006\003\125\004\006\023\002\125\123\061 $$
\025\060\023\006\003\125\004\012\023\014\104\151\147\151\103\145
\label{eq:condition} $$ \frac{162\\164\\040\\111\\156\\143\\061\\031\\060\\027\\006\\003\\125\\004\\013\\023
\020\167\167\167\056\144\151\147\151\143\145\162\164\056\143\157
\label{eq:condition} $$ \frac{155}{061}\frac{040}{060}\frac{036}{006}\frac{125}{004}\frac{03}{023}\frac{027}{104}\frac{151}{147}\frac{151}{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

 $\label{eq:condition} $$ \000\202\002\001\305\240\003\002\001\002\002\0005$ \125\126\274\362\136\244\065\065\303\244\017\325\253\105\162\060 \012\006\010\052\206\110\316\075\004\003\003\060\141\061\013\060 \143\061\031\060\027\006\003\125\004\013\023\020\167\167\167\056 \144\151\147\151\143\145\162\164\056\143\157\155\061\040\060\036 \006\003\125\004\003\023\027\104\151\147\151\103\145\162\164\040 \107\154\157\142\141\154\040\122\157\157\164\040\107\063\060\036 $\label{eq:condition} $$ \027\015\061\063\060\070\060\061\061\062\060\060\060\060\132\027 $$$ \015\063\070\060\061\061\065\061\062\060\060\060\060\060\132\060\141 \061\013\060\011\006\003\125\004\006\023\002\125\123\061\025\060 \040\111\156\143\061\031\060\027\006\003\125\004\013\023\020\167 \167\167\056\144\151\147\151\143\145\162\164\056\143\157\155\061 \040\060\036\006\003\125\004\003\023\027\104\151\147\151\103\145 \162\164\040\107\154\157\142\141\154\040\122\157\157\164\040\107 $\label{eq:condition} $$ \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 $\label{eq:condition} $\36\306\233\274\320\225\366\360\314\320\013\272\141\133\121\106$ \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 $\label{eq:condition} $$ 0.006 \times 125 \times 0.35 \times 0.004 \times$ \330\256\066\101\314\021\143\151\142\051\274\113\306\060\012\006 $\label{eq:condition} $$ \0.010\0.052\2.06\1.10\3.16\0.075\0.04\0.03\0.03\0.03\1.50\0.00\0.060\1.45\0.02\0.061$ \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
\label{eq:condition} $$ 162\164\040\111\156\143\061\031\060\027\006\003\125\004\013\023
\020\167\167\167\056\144\151\147\151\143\145\162\164\056\143\157
\155\061\040\060\036\006\003\125\004\003\023\027\104\151\147\151
\103\145\162\164\040\107\154\157\142\141\154\040\122\157\157\164
\040\107\063
END
CKA_SERIAL_NUMBER
MULTILINE OCTAL
\label{eq:condition} $$ \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

#

Certificate "DigiCert Trusted Root G4"

CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

- # 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

 $\label{eq:condition} $$ \000\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

 $\label{eq:condition} $$ \000142\0013\006\003\125\004\0003\125\0004\0023\002\125\123\061\025\006\0023\006\003\125\0004\012\023\014\104\151\147\151\103\145\162\164\004\013\1023\023\023\003\125\0004\003\125\0004\003\125\0004\003\125\0004\003\125\164\162\164\000\122\157\157\164\004\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

 $\label{eq:constraint} $$ \000\202\005\220\060\202\003\170\240\003\002\001\002\002\0005\233\033\127\236\216\041\062\342\071\007\275\247\167\165\134\060\015\006\011\005\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 $\label{eq:condition} $$ 123\061\025\060\023\006\003\125\004\012\023\014\104\151\147\151$ \103\145\162\164\040\111\156\143\061\031\060\027\006\003\125\004 \013\023\020\167\167\167\056\144\151\147\151\143\145\162\164\056 $\label{eq:condition} $$ \frac{143}{157}\frac{006}{004}\frac{003}{003}\frac{125}{004}\frac{003}{023}\frac{030}{104}\frac{151}{150} $$$ \147\151\103\145\162\164\040\124\162\165\163\164\145\144\040\122 \157\157\164\040\107\064\060\202\002\042\060\015\006\011\052\206 \110\206\367\015\001\001\001\005\000\003\202\002\017\000\060\202 \002\012\002\202\002\001\000\277\346\220\163\150\336\273\344\135 \112\074\060\042\060\151\063\354\302\247\045\056\311\041\075\362 \212\330\131\302\341\051\247\075\130\253\166\232\315\256\173\033 \204\015\304\060\037\363\033\244\070\026\353\126\306\227\155\035 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \frac{137}{261}172\frac{356}{167}\frac{10}{10}\frac{250}{146}\frac{127}{127}\frac{237}{124}\frac{130}{216} $$$ \014\053\267\117\247\060\331\126\356\312\173\135\343\255\311\117 $\label{eq:condition} $$ 136\345\065\347\061\313\332\223\136\334\216\217\200\332\266\221 $$$ \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 $\label{eq:condition} $$ \frac{125}{202}101\\062\\327\\333\\004\\163\\052\\156\\221\\001\\174\\041\\114\\324$ \274\256\033\003\165\135\170\146\331\072\061\104\232\063\100\277 \010\327\132\111\244\302\346\251\240\147\335\244\047\274\241\117 $\label{eq:condition} $$ \071\265\021\130\027\367\044\134\106\217\144\367\301\151\210\166$$$ \230\166\075\131\135\102\166\207\211\227\151\172\110\360\340\242 \022\033\146\232\164\312\336\113\036\347\016\143\256\346\324\357 \222\222\072\236\075\334\000\344\105\045\211\266\232\104\031\053 \176\300\224\264\322\141\155\353\063\331\305\337\113\004\000\314 \175\034\225\303\217\367\041\262\262\021\267\273\177\362\325\214 \160\054\101\140\252\261\143\030\104\225\032\166\142\176\366\200 \260\373\350\144\246\063\321\211\007\341\275\267\346\103\244\030 $\label{eq:condition} $$ \270\246\167\001\341\017\224\014\041\035\262\124\051\045\211\154$$ \345\016\122\121\107\164\276\046\254\266\101\165\336\172\254\137 \215\077\311\274\323\101\021\022\133\345\020\120\353\061\305\312 $\label{eq:condition} $$ 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 $\label{eq:condition} $$ \241\242\000\215\343\144\150\017\126\317\167\256\160\371\375\232 $$$ \112\231\271\311\170\134\014\014\137\344\346\024\051\126\013\066 $\label{eq:condition} $$ \frac{111}135\\104\\143\\340\\255\\234\\226\\030\\146\\033\\043\\015\\075\\171\\351$ \155\153\326\124\370\322\074\301\103\100\256\035\120\365\122\374 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \340\161\362\126\344\152\227\157\222\120\155\226\215\150\172\232$ $\label{eq:condition} $$ \262\066\024\172\006\362\044\271\011\021\120\327\010\261\270\211 $$$ \172\204\043\141\102\051\345\243\315\242\040\101\327\321\234\144 $\label{eq:condition} $$ \frac{331}{352} 046 \frac{241}{213} 024 \frac{327}{114} 031 \frac{262}{120} 101 \frac{161}{075} 077 \frac{115}{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 $\label{eq:condition} $$ \001\010\350\125\062\336\161\111\331\050\027\120\115\346\276\115$$ \321\165\254\320\312\373\101\270\103\245\252\323\303\005\104\117 $\label{eq:condition} $$ \054\066\233\342\372\342\105\270\043\123\154\006\157\147\125\177$ $\label{eq:condition} $$ 106\265\114\077\156\050\132\171\046\322\244\250\142\227\322\036$$ \342\355\112\213\274\033\375\107\112\015\337\147\146\176\262\133 $\label{eq:condition} $$ 101\320\073\344\364\073\364\004\143\351\357\302\124\000\121\240 $$$ \212\052\311\316\170\314\325\352\207\004\030\263\316\257\111\210 \257\363\222\231\266\263\346\141\017\322\205\000\347\120\032\344 $\label{eq:condition} $$ \031\241\271\234\261\233\261\000\036\357\320\017\117 $$$ \102\154\311\012\274\356\103\372\072\161\245\310\115\046\245\065 \375\211\135\274\205\142\035\062\322\240\053\124\355\232\127\301 $\label{eq:condition} $$ 33\sqrt{372}\020\sqrt{317}\031\sqrt{267}\213\sqrt{112}\033\sqrt{217}\001\sqrt{266}\047\sqrt{225}\123\sqrt{350}$$ \266\211\155\133\274\150\324\043\350\213\121\242\126\371\360\246 \200\240\326\036\263\274\017\017\123\165\051\252\352\023\167\344 \336\214\201\041\255\007\020\107\021\255\207\075\007\321\165\274 \317\363\146\176

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

 ${\tt CKA_NSS_SERVER_DISTRUST_AFTER\ CK_BBOOL\ CK_FALSE\ CKA_NSS_EMAIL_DISTRUST_AFTER\ CK_BBOOL\ CK_FALSE\ }$

```
# 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
\label{eq:condition} $$ \020\167\167\167\056\144\151\147\151\143\145\162\164\056\143\157 $$
\155\061\041\060\037\006\003\125\004\003\023\030\104\151\147\151
\103\145\162\164\040\124\162\165\163\164\145\144\040\122\157\157
\164\040\107\064
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\005\233\033\127\236\216\041\062\342\071\007\275\247\167
\165\134
END
CKA TRUST SERVER AUTH CK TRUST CKT NSS TRUSTED DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA TRUST STEP UP APPROVED
CK BBOOL CK FALSE
# Certificate "COMODO RSA Certification Authority"
# Issuer: CN=COMODO RSA Certification Authority,O=COMODO CA Limited,L=Salford,ST=Greater
Manchester, C=GB
# Serial Number:4c:aa:f9:ca:db:63:6f:e0:1f:f7:4e:d8:5b:03:86:9d
# Subject: CN=COMODO RSA Certification Authority,O=COMODO CA Limited,L=Salford,ST=Greater
Manchester, C=GB
# Not Valid Before: Tue Jan 19 00:00:00 2010
# Not Valid After: Mon Jan 18 23:59:59 2038
# Fingerprint (SHA-256):
52:F0:E1:C4:E5:8E:C6:29:29:1B:60:31:7F:07:46:71:B8:5D:7E:A8:0D:5B:07:27:34:63:53:4B:32:B4:02:34
# Fingerprint (SHA1): AF:E5:D2:44:A8:D1:19:42:30:FF:47:9F:E2:F8:97:BB:CD:7A:8C:B4
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
```

CKA_TOKEN CK_BBOOL CK_TRUE

CKA PRIVATE CK BBOOL CK FALSE

CKA MODIFIABLE CK BBOOL CK FALSE

CKA_LABEL UTF8 "COMODO RSA Certification Authority"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509 CKA SUBJECT MULTILINE OCTAL

 $\label{eq:condition} $$ \000\201\205\061\013\060\011\006\003\125\004\010\023\022\107\162\145\141\164\145\162\060\031\125\004\010\123\141\154\145\162\061\020\060\016\0003\125\004\007\023\007\123\141\154\146\157\162\144\061\032\060\030\006\003\125\0004\012\0223\021\103\117\115\117\104\117\040\113\101\040\114\151\155\151\164\145\144\061\053\060\051\006\003\125\0004\0003\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

 $\label{eq:condition} $$ \000\201\205\061\013\060\011\006\003\125\004\010\023\022\107\162\145\141\164\145\162\060\031\125\004\010\123\141\154\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\0223\021\103\117\115\117\104\117\040\113\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

\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 \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 $\label{eq:condition} $$ 164\151\157\156\040\101\165\164\150\157\162\151\164\171\060\202$ \002\042\060\015\006\011\052\206\110\206\367\015\001\001\001\005 $\label{eq:condition} $$ \000\003\202\002\017\000\060\202\002\012\002\202\002\001\000\221 $$$ $\label{eq:condition} $$ \frac{350}{124} 222 \frac{322}{012} \frac{126}{261} \frac{254}{015} \frac{3435}{305} \frac{317}{104} \frac{147}{164} $$ \231\053\067\243\175\043\160\000\161\274\123\337\304\372\052\022 $\label{eq:condition} $$ \frac{17}{113}\frac{177}{020}\frac{267}{237}\frac{160}{162}\frac{267}{141}\frac{177}{311}\frac{1017}{027} $$$ $\label{eq:condition} $$ 247\075\343\260\004\141\356\377\021\227\307\364\206\076\012\372 $$$ \076\134\371\223\346\064\172\331\024\153\347\234\263\205\240\202 \172\166\257\161\220\327\354\375\015\372\234\154\372\337\260\202 \364\024\176\371\276\304\246\057\117\177\231\177\265\374\147\103 \162\275\014\000\326\211\353\153\054\323\355\217\230\034\024\253 \176\345\343\156\374\330\250\344\222\044\332\103\153\142\270\125 \375\352\301\274\154\266\213\363\016\215\232\344\233\154\151\231 \370\170\110\060\105\325\255\341\015\074\105\140\374\062\226\121 $\\ \\ \langle 047 \rangle 274 \rangle 147 \rangle 303 \rangle 312 \rangle 056 \rangle 266 \rangle 153 \rangle 352 \rangle 106 \rangle 307 \rangle 307 \rangle 040 \rangle 240 \rangle 261 \rangle 037 \rangle 307 \rangle 106 \rangle 107 \rangle 107$ \145\336\110\010\272\244\116\251\362\203\106\067\204\353\350\314 \201\110\103\147\116\162\052\233\134\275\114\033\050\212\134\042 \173\264\253\230\331\356\340\121\203\303\011\106\116\155\076\231 \372\225\027\332\174\063\127\101\074\215\121\355\013\266\134\257 $\label{eq:condition} $$ \054\143\032\337\127\310\077\274\351\135\304\233\257\105\231\342 $$$ \243\132\044\264\272\251\126\075\317\157\252\377\111\130\276\360 \250\377\364\270\255\351\067\373\272\270\364\013\072\371\350\103 $\label{eq:condition} $$ 102\036\211\330\204\313\023\361\331\273\341\211\140\270\214\050 $$$ \126\254\024\035\234\012\347\161\353\317\016\335\075\251\226\241 \110\275\074\367\257\265\015\042\114\300\021\201\354\126\073\366 \323\242\342\133\267\262\004\042\122\225\200\223\151\350\216\114 \145\361\221\003\055\160\164\002\352\213\147\025\051\151\122\002 \273\327\337\120\152\125\106\277\240\243\050\141\177\160\320\303 \242\252\054\041\252\107\316\050\234\006\105\166\277\202\030\047 \264\325\256\264\313\120\346\153\364\114\206\161\060\351\246\337 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \026\004\024\273\257\176\002\075\372\246\361\074\204\216\255\356$$ \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\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 $\label{eq:condition} $$ \023\055\254\126\242\260\326\176\021\222\351\056\272\236\056\232$ $\label{eq:condition} $$ \frac{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 $\label{eq:condition} $$ \075\231\370\330\163\011\130\106\156\246\234\364\327\047\323\225 $$$ \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 $\label{eq:condition} $$ \frac{374}072\\204\\240\\265\\234\\174\\215\\277\\056\\223\\142\\047\\267\\071\\332$ $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \012\350\123\054\222\273\241\011\030\165\014\145\250\173\313\043$ \267\032\302\050\205\303\033\377\320\053\142\357\244\173\011\221 \230\147\214\024\001\315\150\006\152\143\041\165\003\200\210\212 \156\201\306\205\362\251\244\055\347\364\245\044\020\107\203\312 \315\364\215\171\130\261\006\233\347\032\052\331\235\001\327\224 \175\355\003\112\312\360\333\350\251\001\076\365\126\231\311\036 \216\111\075\273\345\011\271\340\117\111\222\075\026\202\100\314 \314\131\306\346\072\355\022\056\151\074\154\225\261\375\252\035 $\label{eq:condition} $$ \frac{173}177\206\276\036\016\062\106\373\373\023\217\165\177\114\213}{190} $$$ \113\106\143\376\000\064\100\160\301\303\271\241\335\246\160\342 $\label{eq:condition} $$ \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
\label{eq:condition} $$ \006\003\125\004\007\023\007\123\141\154\146\157\162\144\061\ . $$
\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
\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

 $\label{eq:condition} $$ \001\201\006\001\006\003\125\004\006\023\002\125\123\006\0021\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

 $\label{eq:condition} $$ \000\201\201\006\003\125\004\0003\125\004\006\0023\002\125\123\006\0021\006\0003\125\0004\001\0023\0012\116\145\167\040\112\145\162\163\145\171\040\103\151\164\171\061\036\060\034\006\003\125\0004\0012\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\0004\0003\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

 $\label{eq:constraint} $$ \060\202\005\336\060\202\003\306\240\003\002\001\002\002\0001\0375\155\060\374\243\312\121\250\033\274\144\016\065\003\055\060\015\006\011\005\206\110\206\367\015\001\001\001\1014\005\000\060\201\201\006\003\125\004\0006\002\125\123\006\002\125\123\006\002\125\123\006\002\125\123\006\002\125\123\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\124\122\125\123\106\1025\123\105\122\124\122\125\123\104\004\013\145\164\167\157\162\153\061\056\060\054\006\003\125\123\106\105\163\164\040\122\123\101\040\103\145\162\164\151\146\151\143\141\164\151\157\156\040$

\101\165\164\150\157\162\151\164\171\060\036\027\015\061\060\060 \062\060\061\060\060\060\060\060\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 $\label{eq:condition} $$ \000\022\006\003\125\004\007\023\013\112\145\162\163\145\171\040 $$$ \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 $\label{eq:condition} $$ \frac{162\\151\\164\\171\\060\\202\\002\\002\\042\\060\\015\\006\\011\\052\\206\\110\\206$ \367\015\001\001\001\005\000\003\202\002\017\000\060\202\002\012 $\label{eq:condition} $$ \002\200\002\001\000\200\022\145\027\066\016\303\333\010\263\320 $$$ \254\127\015\166\355\315\047\323\114\255\120\203\141\342\252\040 \115\011\055\144\011\334\316\211\237\314\075\251\354\366\317\301 \334\361\323\261\326\173\067\050\021\053\107\332\071\306\274\072 \031\264\137\246\275\175\235\243\143\102\266\166\362\251\073\053 \221\370\342\157\320\354\026\040\220\011\076\342\350\164\311\030 \264\221\324\142\144\333\177\243\006\361\210\030\152\220\042\074 \274\376\023\360\207\024\173\366\344\037\216\324\344\121\306\021 \147\106\010\121\313\206\024\124\077\274\063\376\176\154\234\377 $\label{eq:condition} $$ \026\235\030\275\121\216\065\246\247\146\310\162\147\333\041\146$$$ \261\324\233\170\003\300\120\072\350\314\360\334\274\236\114\376 \257\005\226\065\037\127\132\267\377\316\371\075\267\054\266\366 \124\335\310\347\022\072\115\256\114\212\267\134\232\264\267\040 \075\312\177\042\064\256\176\073\150\146\001\104\347\001\116\106 \123\233\063\140\367\224\276\123\067\220\163\103\363\062\303\123 \357\333\252\376\164\116\151\307\153\214\140\223\336\304\307\014 \337\341\062\256\314\223\073\121\170\225\147\213\356\075\126\376 $\\014\\320\\151\\017\\033\\017\\363\\045\\046\\153\\063\\155\\367\\156\\107\\372$ \163\103\345\176\016\245\146\261\051\174\062\204\143\125\211\304 \015\301\223\124\060\031\023\254\323\175\067\247\353\135\072\154 \065\134\333\101\327\022\332\251\111\013\337\330\200\212\011\223 \142\216\265\146\317\045\210\315\204\270\261\077\244\071\017\331 \002\236\353\022\114\225\174\363\153\005\251\136\026\203\314\270 \147\342\350\023\235\314\133\202\323\114\263\355\133\377\336\345 $\label{eq:condition} $$ 163\254\043\073\055\000\277\065\125\164\011\111\330\111\130\032$ $\label{eq:condition} $$ \frac{177}222\\066\\346\\121\\222\\016\\363\\046\\175\\034\\115\\027\\274\\311\\354$ $\label{eq:condition} $$ 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 $\label{eq:condition} $$ 106\112\120\201\262\336\276\170\267\374\147\025\341\311\127\204$$ \036\017\143\326\351\142\272\326\137\125\056\352\134\306\050\010 $\label{eq:condition} $$ 0.004 \times 0.071 \times 0.016 \times 0.053 \times 0.014 \times 0.071 \times 0.016 \times 0.014 \times 0.016 \times 0.014 \times 0.016 \times 0.014 \times 0.016 \times 0.014 \times 0.01$ \355\357\057\202\017\002\003\001\000\001\243\102\060\100\060\035 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \001\000\134\324\174\015\317\367\001\175\101\231\145\014\163\305 $$$ $\label{eq:condition} $$ \frac{370}{313}\frac{370}{317}\frac{006}{177}\frac{33}{332}\frac{005}{237}\frac{236}{002}\frac{125}{125} $$$ $\label{eq:condition} $$ \frac{127}{226}024\\361\\122\\074\\047\\207\\224\\050\\355\\037\\072\\001\\067\\242$ \166\374\123\120\300\204\233\306\153\116\272\214\041\117\242\216 \125\142\221\363\151\025\330\274\210\343\304\252\013\375\357\250 \351\113\125\052\006\040\155\125\170\051\031\356\137\060\134\113 \044\021\125\377\044\232\156\136\052\053\356\013\115\237\177\367 $\label{eq:condition} $$ \001\070\224\024\225\103\007\011\373\140\251\356\034\253\022\214 $$$ \240\232\136\247\230\152\131\155\213\077\010\373\310\321\105\257 \030\025\144\220\022\017\163\050\056\305\342\044\116\374\130\354 \360\364\105\376\042\263\353\057\216\322\331\105\141\005\301\227 $\label{eq:condition} $$ \frac{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 $\label{eq:condition} $$ \frac{335}{65}161\frac{242}{025}047\frac{224}{34}17\frac{141}{343}046\frac{273}{157} $$ \243\147\045\041\135\346\335\035\013\056\150\033\073\202\257\354 $\label{eq:condition} $$ \203\147\205\324\230\121\164\261\271\231\200\211\377\177\170\031 = 100\211\2$ $\label{eq:condition} $$ \frac{134}171\frac{112}140\frac{656}222\frac{100}256\frac{114}{667}\frac{52}{052}\frac{311}{307}\frac{142}{310} $$$ \016\135\367\066\133\312\340\045\045\001\264\335\032\007\234\167 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \000\056\324\131\207\313\122\101\225\352\364\107\327\356\144\101 $$$ \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 $\label{eq:condition} $$ \260\260\013\340\234\114\303\034\326\374\343\151\265\107\106\201 $$$ \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
\label{eq:condition} $$ \053\217\033\127\063\015\273\242\320\172\154\121\367\016\351\015
\332\271\255\216
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\033\376\151\321\221\267\031\063\243\162\250\017\341\125\345\265
END
CKA ISSUER MULTILINE OCTAL
\label{eq:condition} $$ \060\201\210\061\013\060\011\006\003\125\004\006\023\002\125\123
\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
\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
\label{eq:condition} $$ \002\020\001\375\155\060\374\243\312\121\250\033\274\144\016\065$
\003\055
END
CKA TRUST SERVER AUTH CK TRUST CKT NSS TRUSTED DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
# Certificate "USERTrust ECC Certification Authority"
# Issuer: CN=USERTrust ECC Certification Authority,O=The USERTRUST Network,L=Jersey City,ST=New
Jersey, C=US
# Serial Number:5c:8b:99:c5:5a:94:c5:d2:71:56:de:cd:89:80:cc:26
# Subject: CN=USERTrust ECC Certification Authority,O=The USERTRUST Network,L=Jersey City,ST=New
Jersey, C=US
# Not Valid Before: Mon Feb 01 00:00:00 2010
# Not Valid After: Mon Jan 18 23:59:59 2038
```

Fingerprint (SHA-256):

4F:F4:60:D5:4B:9C:86:DA:BF:BC:FC:57:12:E0:40:0D:2B:ED:3F:BC:4D:4F:BD:AA:86:E0:6A:DC:D2:A9:AD:7A

Fingerprint (SHA1): D1:CB:CA:5D:B2:D5:2A:7F:69:3B:67:4D:E5:F0:5A:1D:0C:95:7D:F0

CKA CLASS CK OBJECT CLASS CKO CERTIFICATE

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA MODIFIABLE CK BBOOL CK FALSE

CKA LABEL UTF8 "USERTrust ECC Certification Authority"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA SUBJECT MULTILINE OCTAL

 $\label{eq:condition} $$ \000\201\201\006\003\125\004\0006\023\002\125\123\006\0021\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$

END

CKA ID

UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

\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

\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 $\label{eq:condition} $$ \0.060\0.0$ \063\065\071\065\071\132\060\201\210\061\013\060\011\006\003\125 $\label{eq:condition} $$ \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 \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 $\label{eq:condition} $$ \053\201\004\000\042\003\142\000\004\032\254\124\132\251\371\150 $$$ \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 $\label{eq:condition} $$ \060\243\264\160\342\307\241\063\234\363\277\056\134\123\261\137 $$$ \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 $\label{eq:condition} $$ \frac{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 # 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
\145\162\163\145\171\061\024\060\022\006\003\125\004\007\023\013
\125\123\124\040\116\145\164\167\157\162\153\061\056\060\054\006
\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
\label{eq:condition} $$ \002\020\134\213\231\305\132\224\305\322\161\126\336\315\211\200 $$
\314\046
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA TRUST EMAIL PROTECTION CK TRUST CKT NSS TRUSTED DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
# Certificate "GlobalSign ECC Root CA - R5"
# Issuer: CN=GlobalSign,O=GlobalSign,OU=GlobalSign ECC Root CA - R5
# Serial Number:60:59:49:e0:26:2e:bb:55:f9:0a:77:8a:71:f9:4a:d8:6c
Subject: CN=GlobalSign,O=GlobalSign,OU=GlobalSign ECC Root CA - R5
# Not Valid Before: Tue Nov 13 00:00:00 2012
# Not Valid After: Tue Jan 19 03:14:07 2038
# Fingerprint (SHA-256):
17:9F:BC:14:8A:3D:D0:0F:D2:4E:A1:34:58:CC:43:BF:A7:F5:9C:81:82:D7:83:A5:13:F6:EB:EC:10:0C:89:24
# Fingerprint (SHA1): 1F:24:C6:30:CD:A4:18:EF:20:69:FF:AD:4F:DD:5F:46:3A:1B:69:AA
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
```

CKA_TOKEN CK_BBOOL CK_TRUE

CKA PRIVATE CK BBOOL CK FALSE

CKA MODIFIABLE CK BBOOL CK FALSE

CKA_LABEL UTF8 "GlobalSign ECC Root CA - R5"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509 CKA SUBJECT MULTILINE OCTAL

END

CKA ID

UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

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\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\060\132\027 \015\063\070\060\061\061\071\060\063\061\064\060\067\132\060\120 $\label{eq:condition} $$ \004\004\004\004\003\125\004\013\023\033\107\154\157\142\141 $$$ \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 \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 $\label{eq:control_assign} $$35\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\001\001\377\004\005\060\003\001\001\377\060\003\5006\003\125\035\016\004\026\004\002\4075\346\051\110\233\352\007\312\041\104\112\046\336\156\336\322\203\320\237\131\060\012\006\010\0345\151\002\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\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

 ${\tt \#Subject: CN=GlobalSign,O=GlobalSign,OU=GlobalSign\ ECC\ Root\ CA-R5}$

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

 $\label{eq:condition} $$\237\255\073\034\002\036\212\272\027\164\070\201\014\242\274\010$$

END

CKA_ISSUER MULTILINE_OCTAL

```
\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
{\tt 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
\label{eq:condition} $$ \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 \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 \061\013\060\011\006\003\125\004\006\023\002\116\114\061\036\060 $\label{eq:condition} $$ \004\003\125\004\012\014\025\123\164\141\141\164\040\144\145$$$ \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 $\label{eq:condition} $$ 162\040\116\145\144\145\162\154\141\156\144\145\156\040\122\157$$ \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 $\label{eq:condition} $$ \017\000\060\202\002\012\002\202\001\000\276\062\242\124\017 $$$ \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 $\label{eq:condition} $$ \075\255\302\236\314\202\147\007\047\207\150\161\072\237\165\226 $$$ \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 $\label{eq:condition} $$ \frac{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 $\\ 140 \\ 331 \\ 046 \\ 100 \\ 104 \\ 343 \\ 126 \\ 140 \\ 245 \\ 020 \\ 324 \\ 152 \\ 074 \\ 375 \\ 101 \\ 334 \\ 126 \\ 140 \\ 1245 \\ 126 \\ 140 \\$ \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 $\label{eq:condition} $$ \000\003\001\001\377\060\016\006\003\125\035\017\001\001\377\004$ \004\003\002\001\006\060\035\006\003\125\035\016\004\026\004\024 \124\255\372\307\222\127\256\312\065\234\056\022\373\344\272\135 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \073\230\001\072\212\244\347\007\367\172\370\347\232\337\120\103$ $\label{eq:condition} $$ \frac{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 $\label{eq:condition} $$ \frac{314\160\311\171\200\370\376\114\367\065\204\031\212\061\373\012}{200\370\376\114\367\065\204\031\212\061\373\012}$ \331\327\177\233\360\242\232\153\303\005\112\355\101\140\024\060 \321\252\021\102\156\323\043\002\004\013\306\145\335\335\122\167 $\label{eq:condition} $$ 32\201\153\262\250\372\001\070\271\226\352\052\154\147\227\211 $$$ \224\236\274\341\124\325\344\152\170\357\112\275\053\232\075\100 \176\306\300\165\322\156\373\150\060\354\354\213\235\371\111\065 \232\032\054\331\263\225\071\325\036\222\367\246\271\145\057\345 \075\155\072\110\114\010\334\344\050\022\050\276\175\065\134\352 \340\026\176\023\033\152\327\076\327\236\374\055\165\262\301\024 \325\043\003\333\133\157\013\076\170\057\015\336\063\215\026\267 $\label{eq:condition} $$ \frac{347}{203}\frac{232}{201}\frac{17173}{301}\frac{115}{125}\frac{004}{027}\frac{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
\label{eq:condition} $$ \060\132\061\013\060\011\006\003\125\004\006\023\002\116\114\061
\036\060\034\006\003\125\004\012\014\025\123\164\141\141\164\040
\144\145\162\040\116\145\144\145\162\154\141\156\144\145\156\061
\label{eq:condition} $$ \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

 $\label{eq:condition} $$ \060\130\061\013\060\011\006\003\125\004\006\023\002\116\114\061 $$$

 $\label{eq:condition} $$ \036\060\034\006\003\125\004\012\014\025\123\164\141\141\164\040 $$$

\144\145\162\040\116\145\144\145\162\154\141\156\144\145\156\061

 $\label{eq:condition} $$ \0.051\0.004\0.003\1.25\0.004\0.003\0.14\0.40\1.23\1.64\1.41\1.41\1.64\0.40 $$$

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

 $\label{eq:condition} $$ 105\126\040\122\157\157\164\040\103\101$$

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

\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\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 $\label{eq:condition} $$ \054\151\354\334\011\244\343\121\250\045\053\171\270$$$ $\label{eq:condition} $$ \010\075\340\221\272\204\205\306\205\244\312\346\311\056\123\244 $$$ \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 $\label{eq:control_state} $$ \frac{311}{015}\frac{332}{305}\frac{231}{342}\frac{170}{101}\frac{63}{166}\frac{341}{277}\frac{135}{345}$$ \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 $\label{eq:condition} $$ \041\154\220\216\065\132\311\323\043\353\323\300\276\170\254\102$ \050\130\146\245\106\155\160\002\327\020\371\113\124\374\135\206 \112\207\317\177\312\105\254\021\132\265\040\121\215\057\210\107 \227\071\300\317\272\300\102\001\100\231\110\041\013\153\247\322 \375\226\325\321\276\106\235\111\340\013\246\240\042\116\070\320 $\label{eq:condition} $$ 301\074\060\274\160\217\054\165\314\320\305\214\121\073\075\224 $$$ \010\144\046\141\175\271\303\145\217\024\234\041\320\252\375\027 \162\003\217\275\233\214\346\136\123\236\271\235\357\202\273\341 $\label{eq:condition} $$ \274\342\162\101\133\041\224\323\105\067\224\321\337\011\071\135$$ \347\043\252\232\035\312\155\250\012\206\205\212\202\276\102\007 \326\362\070\202\163\332\207\133\345\074\323\236\076\247\073\236 \364\003\263\371\361\175\023\164\002\377\273\241\345\372\000\171 \034\246\146\101\210\134\140\127\246\056\011\304\272\375\232\317 $\label{eq:condition} $\247\037\100\303\273\314\132\012\125\113\073\070\166\121\270\143$ \213\204\224\026\346\126\363\002\003\001\000\001\243\102\060\100 \377\060\016\006\003\125\035\017\001\001\377\004\004\003\002\001 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \277\210\245\177\105\374\254\270\245\265\063\014\202\304\373\007 $$$ \366\152\345\045\204\137\006\312\301\206\071\021\333\130\315\167 $\label{eq:condition} $$ \073\054\302\114\017\136\232\343\360\253\076\141\033\120\044\302$ \300\364\361\031\360\021\051\266\245\030\002\233\327\143\114\160 \214\107\243\003\103\134\271\135\106\240\015\157\377\131\216\276 \335\237\162\303\133\053\337\214\133\316\345\014\106\154\222\262 $\label{eq:condition} $$ \012\243\114\124\102\030\025\022\030\275\332\374\272\164\156\377 $$$ \301\266\240\144\330\251\137\125\256\237\134\152\166\226\330\163 \147\207\373\115\177\134\356\151\312\163\020\373\212\251\375\236 \275\066\070\111\111\207\364\016\024\360\351\207\270\077\247\117 \172\132\216\171\324\223\344\273\150\122\204\254\154\351\363\230 \160\125\162\062\371\064\253\053\111\265\315\040\142\344\072\172 \147\143\253\226\334\155\256\227\354\374\237\166\126\210\056\146 \317\133\266\311\244\260\327\005\272\341\047\057\223\273\046\052 \242\223\260\033\363\216\276\035\100\243\271\066\217\076\202\032 \032\136\210\352\120\370\131\342\203\106\051\013\343\104\134\341 $\label{eq:condition} $$ \225\266\151\220\232\024\157\227\256\201\317\150\357\231\232\276$ $\label{eq:condition} $$ \265\347\341\177\370\372\023\107\026\114\314\155\010\100\347\213$ \170\157\120\202\104\120\077\146\006\212\253\103\204\126\112\017 $\label{eq:condition} $$ \040\05\206\016\365\322\333\322\172\212\113\315\245\350\116\361 $$$ $\label{eq:condition} $$ 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 $\label{eq:condition} $$ 342\371\250\364\072\202\241\262\171\103\171\326\255\157\172\047 $$ \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
\label{eq:condition} $$ \0.051\0.04\0.04\0.03\1.25\0.04\0.03\0.14\0.04\0.123\1.64\1.41\1.41\1.64\0.40 $$
\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
{\tt CKA\_TRUST\_STEP\_UP\_APPROVED\ CK\_BBOOL\ CK\_FALSE}
# Certificate "IdenTrust Commercial Root CA 1"
# Issuer: CN=IdenTrust Commercial Root CA 1,O=IdenTrust,C=US
# Serial Number:0a:01:42:80:00:00:01:45:23:c8:44:b5:00:00:00:02
# Subject: CN=IdenTrust Commercial Root CA 1,O=IdenTrust,C=US
Not Valid Before: Thu Jan 16 18:12:23 2014
# Not Valid After: Mon Jan 16 18:12:23 2034
# Fingerprint (SHA-256):
5D:56:49:9B:E4:D2:E0:8B:CF:CA:D0:8A:3E:38:72:3D:50:50:3B:DE:70:69:48:E4:2F:55:60:30:19:E5:28:AE
# Fingerprint (SHA1): DF:71:7E:AA:4A:D9:4E:C9:55:84:99:60:2D:48:DE:5F:BC:F0:3A:25
CKA CLASS CK OBJECT CLASS CKO CERTIFICATE
CKA TOKEN CK BBOOL CK TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "IdenTrust Commercial Root CA 1"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA SUBJECT MULTILINE OCTAL
\060\112\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\022\060\020\006\003\125\004\012\023\011\111\144\145\156\124\162
\165\163\164\061\047\060\045\006\003\125\004\003\023\036\111\144
\145\156\124\162\165\163\164\040\103\157\155\155\145\162\143\151
\141\154\040\122\157\157\164\040\103\101\040\061
END
```

CKA ID UTF8 "0"

CKA ISSUER MULTILINE OCTAL

 $\label{eq:condition} $$ \000112\061\013\060\011\006\003\125\004\006\023\002\125\123\061 $$ \0022\060\020\006\003\125\004\012\023\011\111\144\145\156\124\162 $$ \165\163\164\004\003\125\004\003\023\036\111\144 $$ \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\000\000

END

CKA_VALUE MULTILINE_OCTAL

 $\label{eq:condition} $$ \0.060\202\005\140\060\202\003\110\240\003\002\001\002\002\002\001\2$ \001\102\200\000\000\000\001\105\043\310\104\265\000\000\000\000\002\060 $\label{eq:condition} $$ \0.015\0.06\0.01\0.05\0.00\0.060\0.015\0.001\0.01\0.01\0.05\0.00\0.060\0.112 $$$ \061\013\060\011\006\003\125\004\006\023\002\125\123\061\022\060 \020\006\003\125\004\012\023\011\111\144\145\156\124\162\165\163 $\label{eq:condition} $$ 164 \cdot 061 \cdot 047 \cdot 060 \cdot 045 \cdot 006 \cdot 003 \cdot 125 \cdot 004 \cdot 003 \cdot 023 \cdot 036 \cdot 111 \cdot 144 \cdot 145 \cdot 156$ \124\162\165\163\164\040\103\157\155\155\145\162\143\151\141\154 \040\122\157\157\164\040\103\101\040\061\060\036\027\015\061\064 \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 $\label{eq:condition} $$ 164\040\103\157\155\155\145\162\143\151\141\154\040\122\157\157$ \164\040\103\101\040\061\060\202\002\042\060\015\006\011\052\206 \110\206\367\015\001\001\001\005\000\003\202\002\017\000\060\202 $\label{eq:condition} $$ \002\01\002\02\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 $\label{eq:condition} $$ \227\274\223\232\371\234\022\220\170\172\200\207\025\327\162\164$$ \234\125\164\170\261\272\341\156\160\004\272\117\240\272\150\303 $\label{eq:condition} $$ \frac{377}{061}\frac{360}{163}\frac{075}{075}\frac{224}{052}\frac{1013}{101}\frac{101}{016}\frac{240}{376}\frac{115}{115}$ \210\145\153\171\063\264\327\002\003\001\000\001\243\102\060\100 \060\016\006\003\125\035\017\001\001\377\004\004\003\002\001\006 \377\060\035\006\003\125\035\016\004\026\004\024\355\104\031\300 \323\360\006\213\356\244\173\276\102\347\046\124\310\216\066\166 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \frac{150}010341\\224\\000\\130\\357\\056\\056\\176\\123\\122\\214\\266\\134\\007$ \352\210\272\231\213\120\224\327\202\200\337\141\011\000\223\255 $\label{eq:condition} $$ \015\024\346\316\301\362\067\224\170\260\137\234\263\242\163\270 $$$ \217\005\223\070\315\215\076\260\270\373\300\317\261\362\354\055 \055\033\314\354\252\232\263\252\140\202\033\055\073\303\204\075 \127\212\226\036\234\165\270\323\060\315\140\010\203\220\323\216 \124\361\115\146\300\135\164\003\100\243\356\205\176\302\037\167 \234\006\350\301\247\030\135\122\225\355\311\335\045\236\155\372 \251\355\243\072\064\320\131\173\332\355\120\363\065\277\355\353 \024\115\061\307\140\364\332\361\207\234\342\110\342\306\305\067 \373\006\020\372\165\131\146\061\107\051\332\166\232\034\351\202 \256\357\232\271\121\367\210\043\232\151\225\142\074\345\125\200 \066\327\124\002\377\361\271\135\316\324\043\157\330\105\204\112 \133\145\357\211\014\335\024\247\040\313\030\245\045\264\015\371 \001\360\242\322\364\000\310\164\216\241\052\110\216\145\333\023 $\label{eq:condition} $$ 304\342\045\027\175\353\276\207\133\027\040\124\121\223\112\123$ $\label{eq:condition} $$ \003\013\354\135\312\063\355\142\375\105\307\057\133\334\130\240 $$$ \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

 $\label{eq:condition} $$ \frac{306}255\frac{3}{250}\frac{15}026\frac{15}360007\\067\\161 \frac{237}362\frac{253}374\\101\\365\\301\\213\\354\\000\\067\\135\\011\\345\\116\\200 \frac{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

 $\label{eq:condition} $$ 141\154\040\122\157\157\164\040\103\101\040\061$$

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

 $\label{eq:condition} $$ \002\020\012\001\102\200\000\000\001\105\043\310\104\265\000\000 $$$

\000\002

END

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

Certificate "IdenTrust Public Sector Root CA 1"

#

Issuer: CN=IdenTrust Public Sector Root CA 1.O=IdenTrust.C=US

Serial Number:0a:01:42:80:00:00:01:45:23:cf:46:7c:00:00:00:02

Subject: CN=IdenTrust Public Sector Root CA 1,O=IdenTrust,C=US

Not Valid Before: Thu Jan 16

17:53:32 2014

Not Valid After: Mon Jan 16 17:53:32 2034

Fingerprint (SHA-256):

30:D0:89:5A:9A:44:8A:26:20:91:63:55:22:D1:F5:20:10:B5:86:7A:CA:E1:2C:78:EF:95:8F:D4:F4:38:9F:2F

Fingerprint (SHA1): BA:29:41:60:77:98:3F:F4:F3:EF:F2:31:05:3B:2E:EA:6D:4D:45:FD

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

 ${\it CKA_MODIFIABLE} \; {\it CK_BBOOL} \; {\it CK_FALSE}$

CKA LABEL UTF8 "IdenTrust Public Sector Root CA 1"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL

 $\label{eq:condition} $$ \060\115\061\013\060\011\006\003\125\004\006\023\002\125\123\061 $$$

 $\\ \ \langle 022 \rangle 060 \rangle 020 \rangle 006 \rangle 003 \rangle 125 \rangle 004 \rangle 012 \rangle 023 \rangle 011 \rangle 111 \rangle 144 \rangle 145 \rangle 156 \rangle 124 \rangle 162$

\145\156\124\162\165\163\164\040\120\165\142\154\151\143\040\123

\145\143\164\157\162\040\122\157\157\164\040\103\101\040\061

END

CKA ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

 $\label{eq:condition} $$ \060\115\061\013\060\011\006\003\125\004\006\023\002\125\123\061 $$$

\022\060\020\006\003\125\004\012\023\011\111\144\145\156\124\162

 $\label{eq:condition} $$ 145\143\164\157\162\040\122\157\157\164\040\103\101\040\061$$

END

CKA_SERIAL_NUMBER

MULTILINE OCTAL

\002\020\012\001\102\200\000\000\001\105\043\317\106\174\000\000\000\0002

END

CKA_VALUE MULTILINE_OCTAL

\015\061\064\060\061\061\066\061\067\065\063\063\062\132\027\015 \063\064\060\061\061\066\061\067\065\063\063\062\132\060\115\061 \013\060\011\006\003\125\004\006\023\002\125\123\061\022\060\020 \061\052\060\050\006\003\125\004\003\023\041\111\144\145\156\124 \157\162\040\122\157\157\164\040\103\101\040\061\060\202\002\042 \060\015\006\011\052\206\110\206\367\015\001\001\001\005\000\003 $\label{eq:condition} $$ \202\002\017\000\060\202\002\012\002\202\002\001\000\266\042\224 $$$ \374\244\110\257\350\107\153\012\373\047\166\344\362\077\212\073 \172\112\054\061\052\214\215\260\251\303\061\153\250\167\166\204 $\\ \\ \langle 046 \rangle 254 \rangle 201 \\ \\ 102 \rangle 015 \\ \langle 010 \rangle 353 \\ \\ 125 \\ \\ 130 \rangle 273 \\ \\ 172 \\ \\ 370 \\ \\ 274 \\ \\ 145 \\ \\ 175$ \362\240\155\213\250\107\351\142\166\036\021\356\010\024\321\262 \104\026\364\352\320\372\036\057\136\333\313\163\101\256\274\000 \260\112\053\100\262\254\341\073\113\302\055\235\344\241\233\354 \032\072\036\360\010\263\320\344\044\065\007\237\234\264\311\122 \155\333\007\312\217\265\133\360\203\363\117\307\055\245\310\255 \313\225\040\244\061\050\127\130\132\344\215\033\232\253\236\015 \014\362\012\063\071\042\071\012\227\056\363\123\167\271\104\105 \375\204\313\066\040\201\131\055\232\157\155\110\110\141\312\114 \337\123\321\257\122\274\104\237\253\057\153\203\162\357\165\200 \332\006\063\033\135\310\332\143\306\115\315\254\146\061\315\321 $\label{eq:condition} $$ 336\076\207\020\066\341\271\244\172\357\140\120\262\313\312\246$$ \126\340\067\257\253\064\023\071\045\350\071\146\344\230\172\252 $\label{eq:condition} $$ \022\230\234\131\146\206\076\255\361\260\312\076\006\017\173\360 $$$ \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 $\label{eq:condition} $$ 174\005\175\055\041\325\000\277\001\147\242\136\173\246\134\362 $$$ \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 $\label{eq:condition} $$ \375\160\053\335\051\074\370\012\036\133\102\034\213\126\057\125$ \033\034\241\056\265\307\026\346\370\252\074\222\216\151\266\001 \301\265\206\235\211\017\013\070\224\124\350\352\334\236\075\045 \274\123\046\355\325\253\071\252\305\100\114\124\253\262\264\331 \331\370\327\162\333\034\274\155\275\145\137\357\210\065\052\146 \057\356\366\263\145\360\063\215\174\230\101\151\106\017\103\034 \151\372\233\265\320\141\152\315\312\113\331\114\220\106\253\025 \131\241\107\124\051\056\203\050\137\034\302\242\253\162\027\000 $\label{eq:condition} $$ \006\216\105\354\213\342\063\075\177\332\031\104\344\142\162\303$ \337\042\306\362\126\324\335\137\225\162\355\155\137\367\110\003 \133\375\305\052\240\366\163\043\204\020\033\001\347\002\003\001 \000\001\243\102\060\100\060\016\006\003\125\035\017\001\001\377 \004\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 $\label{eq:condition} $$ \001\01\013\005\000\003\202\002\001\000\107\372\335\012\260\021 $$$ $\label{eq:condition} $$ \221\070\255\115\135\367\345\016\227\124\031\202\110\207\124\214 $$$

\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 $\label{eq:condition} $$ 124\220\165\376\032\237\201\012\302\335\327\367\011\320\133\162$ $\label{eq:condition} $$ \025\344\036\011\152\075\063\363\041\232\346\025\176\255\121\325$ $\label{eq:condition} $$ \020\355\175\102\300\217\356\300\232\010\325\101\326\134\016 $$$ $\label{eq:condition} $$ \041\151\156\200\141\016\025\300\270\317\305\111\022\122\314\276$ \072\314\324\056\070\005\336\065\375\037\157\270\200\150\230\075 \115\240\312\100\145\322\163\174\365\213\331\012\225\077\330\077 \043\155\032\321\052\044\031\331\205\263\027\357\170\156\251\130 \321\043\323\307\023\355\162\045\177\135\261\163\160\320\177\006 \227\011\204\051\200\141\035\372\136\377\163\254\240\343\211\270 \034\161\025\306\336\061\177\022\334\341\155\233\257\347\350\237 \165\170\114\253\106\073\232\316\277\005\030\135\115\025\074\026 \232\031\120\004\232\262\232\157\145\213\122\137\074\130\004\050 $\label{eq:condition} $$ \045\300\146\141\061\176\271\340\165\271\032\250\201\326\162\027 $$$ \263\305\003\061\065\021\170\170\242\340\351\060\214\177\200\337 \130\337\074\272\047\226\342\200\064\155\343\230\323\144\047\254 \110\176\050\167\134\306\045\141\045\370\205\014\145\372\304\062 \057\245\230\005\344\370\013\147\026\026\306\202\270\062\031\371 \371\271\171\334\037\315\353\257\253\016\335\033\333\105\344\172 \347\002\342\225\135\374\151\360\123\151\141\225\165\171\013\136 $\label{eq:condition} $$ \frac{346}070034\224\251\131\063\236\310\161\164\171\177\121\211}{1} $$$ \266\310\152\270\060\310\152\070\303\156\236\341\067\026\352\005 \142\114\133\022\107\355\247\264\263\130\126\307\111\363\177\022 \150\011\061\161\360\155\370\116\107\373\326\205\356\305\130\100 \031\244\035\247\371\113\103\067\334\150\132\117\317\353\302\144 \164\336\264\025\331\364\124\124\032\057\034\327\227\161\124\220 \216\331\040\235\123\053\177\253\217\342\352\060\274\120\067\357 \361\107\265\175\174\054\004\354\150\235\264\111\104\020\364\162 \113\034\144\347\374\346\153\220\335\151\175\151\375\000\126\245 \267\254\266\255\267\312\076\001\357\234

END

CKA NSS MOZILLA CA POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

```
# Trust for "IdenTrust Public Sector Root CA 1"
```

 ${\tt CKA_CLASS\ CK_OBJECT_CLASS\ CKO_NSS_TRUST}$

CKA_TOKEN CK_BBOOL CK_TRUE

[#] 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_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
\label{eq:condition} $$ \022\060\020\006\003\125\004\012\023\011\111\144\145\156\124\162
\145\156\124\162\165\163\164\040\120\165\142\154\151\143\040\123
\145\143\164\157\162\040\122\157\157\164\040\103\101\040\061
END
CKA SERIAL NUMBER MULTILINE OCTAL
\label{eq:condition} $$ \002\020\012\001\102\200\000\000\001\105\043\317\106\174\000\000 $$
\000\002
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA TRUST EMAIL PROTECTION CK TRUST CKT NSS TRUSTED DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA TRUST STEP UP APPROVED CK BBOOL CK FALSE
# Certificate "Entrust Root Certification Authority - G2"
# Issuer: CN=Entrust Root Certification Authority - G2,OU="(c) 2009 Entrust, Inc. - for authorized use
only",OU=See www.entrust.net/legal-terms,O="Entrust, Inc.",C=US
# Serial Number:
1246989352 (0x4a538c28)
# Subject: CN=Entrust Root Certification Authority - G2,OU="(c) 2009 Entrust, Inc. - for authorized use
only",OU=See www.entrust.net/legal-terms,O="Entrust, Inc.",C=US
# Not Valid Before: Tue Jul 07 17:25:54 2009
# Not Valid After: Sat Dec 07 17:55:54 2030
# Fingerprint (SHA-256):
43:DF:57:74:B0:3E:7F:EF:5F:E4:0D:93:1A:7B:ED:F1:BB:2E:6B:42:73:8C:4E:6D:38:41:10:3D:3A:A7:F3:39
# Fingerprint (SHA1): 8C:F4:27:FD:79:0C:3A:D1:66:06:8D:E8:1E:57:EF:BB:93:22:72:D4
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Entrust Root Certification Authority - G2"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
```

END

CKA ID

UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

 $\label{eq:condition} $$ \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\0006\003\125\004\013\023\037\123\145\145\040\167\167\167\056\145\156\164\162\165\164\145\162\155\163\061\071\060\067\006\003\125\004\013\023\060\050\143\051\1040\062\060\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\040\141\165\164\150\163\164\040\122\157\156\040\101\165\164\150\157\162\151\143\141\164\151\143\141\164\151\157\156\040\101\165\164\150\157\162\151\164\171\040\055\040\107\062$

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL \002\004\112\123\214\050

END

CKA VALUE MULTILINE OCTAL

\164\040\122\157\157\164\040\103\145\162\164\151\146\151\143\141 \164\151\157\156\040\101\165\164\150\157\162\151\164\171\040\055 \040\107\062\060\036\027\015\060\071\060\067\060\067\061\067\062 \065\065\064\132\027\015\063\060\061\062\060\067\061\065\065 \065\064\132\060\201\276\061\013\060\011\006\003\125\004\006\023 \002\125\123\061\026\060\024\006\003\125\004\012\023\015\105\156 \164\162\165\163\164\054\040\111\156\143\056\061\050\060\046\006 \003\125\004\013\023\037\123\145\145\040\167\167\167\056\145\156 $\label{eq:loss} $$ 164\162\165\163\164\056\156\145\164\057\154\145\147\141\154\055$$ \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 $\label{eq:condition} $$ \054\040\111\156\143\056\040\055\040\146\157\162\040\141\165\164 $$$ \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 $\label{eq:condition} $$ 163\164\040\122\157\157\164\040\103\145\162\164\151\146\151\143$ \141\164\151\157\156\040\101\165\164\150\157\162\151\164\171\040 $\label{eq:condition} $$ \055\040\107\062\060\202\001\042\060\015\006\011\052\206\110\206$ \367\015\001\001\001\005\000\003\202\001\017\000\060\202\001\012 \002\202\001\001\000\272\204\266\162\333\236\014\153\342\231\351 $\label{eq:condition} $$ \060\01\247\166\352\062\270\225\101\032\311\332\141\116\130\162$$$ \317\376\366\202\171\277\163\141\006\012\245\047\330\263\137\323 \105\116\034\162\326\116\062\362\162\212\017\367\203\031\320\152 $\label{eq:condition} $$ \200\200\000\105\036\260\307\347\232\277\022\127\047\034\243\150 $$$ \057\012\207\275\152\153\016\136\145\363\034\167\325\324\205\215 \160\041\264\263\062\347\213\242\325\206\071\002\261\270\322\107 \316\344\311\111\304\073\247\336\373\124\175\127\276\360\350\156 \302\171\262\072\013\125\342\120\230\026\062\023\134\057\170\126 \301\302\224\263\362\132\344\047\232\237\044\327\306\354\320\233 \045\202\343\314\302\304\105\305\214\227\172\006\153\052\021\237 \251\012\156\110\073\157\333\324\021\031\102\367\217\007\277\365 $\label{eq:condition} $$ 123\137\234\076\364\027\054\346\151\254\116\062\114\142\167\352$ \267\350\345\273\064\274\031\213\256\234\121\347\267\176\265\123 \261\063\042\345\155\317\160\074\032\372\342\233\147\266\203\364 \215\245\257\142\114\115\340\130\254\144\064\022\003\370\266\215 \224\143\044\244\161\002\003\001\000\001\243\102\060\100\060\016 \006\003\125\035\017\001\001\377\004\004\003\002\001\006\060\017 \006\003\125\035\023\001\001\377\004\005\060\003\001\001\377\060 $\label{eq:condition} $$ \035\006\003\125\035\016\004\026\004\024\152\162\046\172\320\036$ \357\175\347\073\151\121\324\154\215\237\220\022\146\253\060\015 $\label{eq:condition} $$ \006\011\052\206\110\206\367\015\001\001\013\005\000\003\202\001 $$$ \001\000\171\237\035\226\306\266\171\077\042\215\207\323\207\003 \004\140\152\153\232\056\131\211\163\021\254\103\321\365\023\377 \215\071\053\300\362\275\117\160\214\251\057\352\027\304\013\124 \236\324\033\226\230\063\074\250\255\142\242\000\166\253\131\151 \156\006\035\176\304\271\104\215\230\257\022\324\141\333\012\031 \106\107\363\353\367\143\301\100\005\100\245\322\267\364\265\232 $\label{eq:condition} $$ \066\277\251\210\166\210\004\125\004\053\234\207\177\032\067\074$ \176\055\245\032\330\324\211\136\312\275\254\075\154\330\155\257

 $\label{eq:constraint} $$ \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

 $\label{eq:condition} $$ \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

 $\label{eq:condition} $$ \frac{311}{221}\frac{36}{145}\frac{364}{016}\frac{32}{223}\frac{222}{240}\frac{376}{262} $$$

END

CKA_ISSUER MULTILINE_OCTAL

 $\label{eq:condition} $$ \060\201\276\061\013\060\011\006\003\125\004\006\023\002\125\123$$

 $\label{eq:condition} $$ \001\026\000\024\000\003\125\0004\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

 $\label{eq:condition} $$ \frac{155}{63}061\\071\\060\\067\\006\\003\\125\\004\\013\\023\\060\\050\\143\\051$

 $\label{eq:condition} $$ \040\062\060\071\040\105\156\164\162\165\163\164\054\040\111 $$$

```
\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
\label{eq:condition} $$ \frac{157}{156}040\\101\\165\\164\\150\\157\\162\\151\\164\\171\\040\\055\\040\\107
\062
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\004\112\123\214\050
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA TRUST EMAIL PROTECTION CK TRUST CKT NSS TRUSTED DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
# Certificate "Entrust Root Certification Authority - EC1"
# Issuer: CN=Entrust Root Certification Authority - EC1,OU="(c) 2012 Entrust, Inc. - for authorized use
only",OU=See www.entrust.net/legal-terms,O="Entrust, Inc.",C=US
# Serial Number:00:a6:8b:79:29:00:00:00:00:50:d0:91:f9
# Subject: CN=Entrust Root Certification Authority - EC1,OU="(c) 2012 Entrust, Inc. - for authorized use
only",OU=See www.entrust.net/legal-terms,O="Entrust, Inc.",C=US
# Not Valid Before: Tue Dec 18 15:25:36 2012
# Not Valid After: Fri Dec 18 15:55:36 2037
# Fingerprint (SHA-256):
02:ED:0E:B2:8C:14:DA:45:16:5C:56:67:91:70:0D:64:51:D7:FB:56:F0:B2:AB:1D:3B:8E:B0:70:E5:6E:DF:F5
# Fingerprint (SHA1): 20:D8:06:40:DF:9B:25:F5:12:25:3A:11:EA:F7:59:8A:EB:14:B5:47
CKA CLASS
CK_OBJECT_CLASS CKO_CERTIFICATE
CKA TOKEN CK BBOOL CK TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA MODIFIABLE CK BBOOL CK FALSE
CKA_LABEL UTF8 "Entrust Root Certification Authority - EC1"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\277\061\013\060\011\006\003\125\004\006\023\002\125\123
\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
```

\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

 $\label{eq:control_co$

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 $\label{eq:condition} $$ \052\206\110\316\075\004\003\003\060\201\277\061\013\060\011\006$ \003\125\004\006\023\002\125\123\061\026\060\024\006\003\125\004 \012\023\015\105\156\164\162\165\163\164\054\040\111\156\143\056 $\label{eq:condition} $$ \0061\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 \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

```
\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
\label{eq:condition} $$ \023\052\105\156\164\162\165\163\164\040\122\157\157\164\040\103
\145\162\164\151\146\151\143\141\164\151\157\156\040\101\165\164
\150\157\162\151\164\171\040\055\040\105\103\061\060\166\060\020
\006\007\052\206\110\316\075\002\001\006\005\053\201\004\000\042
\label{eq:condition} $$ \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
\label{eq:condition} $$ 164\014\357\157\226\011\376\143\354\160\135\066\255\147\167\256
\311\235\174\125\104\072\242\143\121\037\365\343\142\324\251\107
\label{eq:condition} $$ \007\076\314\040\243\102\060\100\060\016\006\003\125\035\017\001 $$
\label{eq:condition} $$ \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
\label{eq:condition} $$ \004\026\004\024\267\143\347\032\335\215\351\010\246\125\203\244$$
\340\152\120\101\145\021\102\111\060\012\006\010\052\206\110\316
\075\004\003\003\003\147\000\060\144\002\060\141\171\330\345\102
\label{eq:condition} $$ 107\337\034\256\123\231\027\266\157\034\175\341\277\021\224\321 $$
\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
only",OU=See www.entrust.net/legal-terms,O="Entrust, Inc.",C=US
# Serial Number:00:a6:8b:79:29:00:00:00:00:50:d0:91:f9
# Subject: CN=Entrust Root Certification Authority - EC1,OU="(c) 2012 Entrust, Inc. - for authorized use
only",OU=See www.entrust.net/legal-terms,O="Entrust, Inc.",C=US
# Not Valid Before: Tue Dec 18 15:25:36 2012
# Not Valid After: Fri Dec 18 15:55:36 2037
# Fingerprint (SHA-256):
02:ED:0E:B2:8C:14:DA:45:16:5C:56:67:91:70:0D:64:51:D7:FB:56:F0:B2:AB:1D:3B:8E:B0:70:E5:6E:DF:F5
# Fingerprint (SHA1): 20:D8:06:40:DF:9B:25:F5:12:25:3A:11:EA:F7:59:8A:EB:14:B5:47
CKA_CLASS
CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
```

\105\156\164\162\165\163\164\054\040\111\156\143\056\040\055\040

CKA_LABEL UTF8 "Entrust Root Certification Authority - EC1"

```
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\label{eq:condition} $$ \040\330\006\100\337\233\045\365\022\045\072\021\352\367\131\212
\353\024\265\107
END
CKA CERT MD5 HASH MULTILINE OCTAL
\266\176\035\360\130\305\111\154\044\073\075\355\230\030\355\274
END
CKA ISSUER MULTILINE OCTAL
\060\201\277\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\026\060\024\006\003\125\004\012\023\015\105\156\164\162\165
\163\164\054\040\111\156\143\056\061\050\060\046\006\003\125\004
\label{eq:condition} $$ \03\03\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
\label{eq:condition} $$ \frac{155}{163}061\\071\\060\\067\\006\\003\\125\\004\\013\\023\\060\\050\\143\\051
\label{eq:condition} $$ \040\062\060\061\062\040\105\156\164\162\165\163\164\054\040\111 $$
\156\143\056\040\055\040\146\157\162\040\141\165\164\150\157\162
\151\172\145\144\040\165\163\145\040\157\156\154\171\061\063\060
\061\006\003\125\004\003\023\052\105\156\164\162\165\163\164\040
\122\157\157\164\040\103\145\162\164\151\146\151\143\141\164\151
\157\156\040\101\165\164\150\157\162\151\164\171\040\055\040\105
\103\061
END
CKA_SERIAL_NUMBER
MULTILINE OCTAL
\002\015\000\246\213\171\051\000\000\000\000\120\320\221\371
END
CKA TRUST SERVER AUTH CK TRUST CKT NSS TRUSTED DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA TRUST CODE SIGNING CK TRUST CKT NSS MUST VERIFY TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
# Certificate "CFCA EV ROOT"
# Issuer: CN=CFCA EV ROOT,O=China Financial Certification Authority,C=CN
# Serial Number: 407555286 (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

 $\label{lem:condition} $$ \000\126\001\000\003\125\004\000\0023\002\103\116\001\006\000\005\000\003\125\000\001\100\100\100\151\150\151\156\141\040\1003\145\162\164\151\146\151\143\141\164\151\157\156\0040\101\165\164\150\157\162\151\164\171\061\025\006\0023\0006\0003\125\0004\0003\014\014\103\106\103\101\0040\105\126\004\122\117\117\124$

END

CKA ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

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 \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 $\label{eq:condition} $$ \003\125\004\003\014\014\103\106\103\101\040\105\126\040\122\117 $$$ $\label{eq:condition} $$ \frac{117}{124}060\\202\\002\\042\\060\\015\\006\\011\\052\\206\\110\\206\\367\\015$ $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \207\034\006\373\164\230\040\111\163\360\005\322\033\261\240\243$ \267\033\160\323\210\151\271\132\326\070\364\142\334\045\213\170 $\label{eq:condition} $$ \277\370\350\176\270\134\311\225\117\137\247\055\271\040\153\317 $$$ \153\335\365\015\364\202\267\364\262\146\056\020\050\366\227\132 \173\226\026\217\001\031\055\154\156\177\071\130\006\144\203\001 \203\203\303\115\222\335\062\306\207\244\067\351\026\316\252\055 $\label{eq:condition} $$ \frac{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 $\label{eq:condition} $$ \234\344\004\160\211\022\045\223\332\012\231\042\140\152\143\140 $$$ \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 $\label{eq:condition} $$ \076\234\220\235\014\056\361\212\076\132\252\014\011\036\307\325$ \074\243\355\227\303\036\064\372\070\371\010\016\343\300\135\053 \203\321\126\152\311\266\250\124\123\056\170\062\147\075\202\177 $\label{eq:condition} $$ 164\320\373\341\266\005\140\271\160\333\216\013\371\023\130\157 $$$ \161\140\020\122\020\271\301\101\011\357\162\037\147\061\170\377 \226\005\215\002\003\001\000\001\243\143\060\141\060\037\006\003 \125\035\043\004\030\060\026\200\024\343\376\055\375\050\320\013 \265\272\266\242\304\277\006\252\005\214\223\373\057\060\017\006 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \265\272\266\242\304\277\006\252\005\214\223\373\057\060\015\006$ \011\052\206\110\206\367\015\001\001\013\005\000\003\202\002\001 \000\045\306\272\153\353\207\313\336\202\071\226\075\360\104\247 \153\204\163\003\336\235\053\117\272\040\177\274\170\262\317\227 \260\033\234\363\327\171\056\365\110\266\322\373\027\210\346\323 \172\077\355\123\023\320\342\057\152\171\313\000\043\050\346\036 \067\127\065\211\204\302\166\117\064\066\255\147\303\316\101\006 \210\305\367\356\330\032\270\326\013\177\120\377\223\252\027\113 \214\354\355\122\140\262\244\006\352\116\353\364\153\031\375\353 \365\032\340\045\052\232\334\307\101\066\367\310\164\005\204\071 \225\071\326\013\073\244\047\372\010\330\134\036\370\004\140\122 \021\050\050\003\377\357\123\146\000\245\112\064\026\146\174\375 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \frac{110}171\frac{40}212\frac{303}{327}\frac{327}{023}\frac{134}{370}\frac{162}{100}\frac{337}{112}\frac{313}{317}\frac{231}{231}$ $\label{eq:condition} $$ \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

 $\label{eq:condition} $$ 342\270\051\113\125\204\253\153\130\302\220\106\154\254\077\270 $$$

 $\verb|071|217|204|203|$

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

```
\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
\label{eq:local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_
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 \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 \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 \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 $\label{eq:condition} $$ \0040\006\003\125\004\013\023\031\117\111\123\124\105\040\106 $$$ \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 $\label{eq:condition} $$ \006\011\052\206\110\206\367\015\001\001\001\005\000\003$ \202\001\017\000\060\202\001\012\002\202\001\001\000\330\027\267 \034\112\044\052\326\227\261\312\342\036\373\175\070\357\230\365 \262\071\230\116\047\270\021\135\173\322\045\224\210\202\025\046 \152\033\061\273\250\133\041\041\053\330\017\116\237\132\361\261 \132\344\171\326\062\043\053\341\123\314\231\105\134\173\117\255 \274\277\207\112\013\113\227\132\250\366\110\354\175\173\015\315 \041\006\337\236\025\375\101\212\110\267\040\364\241\172\033\127 \324\135\120\377\272\147\330\043\231\037\310\077\343\336\377\157 \133\167\261\153\156\270\311\144\367\341\312\101\106\016\051\161 \320\271\043\374\311\201\137\116\367\157\337\277\204\255\163\144 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \063\144\130\223\255\151\277\217\033\357\202\110\307\002\003\001 $$$ \000\001\243\121\060\117\060\013\006\003\125\035\017\004\004\003 $\label{eq:condition} $$ \002\001\206\060\017\006\003\125\035\023\001\001\377\004\005\060 $$$ $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \004\003\002\001\000\060\015\006\011\052\206\110\206\367\015\001 $$$ \220\176\235\305\260\260\046\315\210\173\053\062\215\156\270\041 $\label{eq:condition} $$ 161\130\227\175\256\067\024\257\076\347\367\232\342\175\366\161 $$$ \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 $\label{eq:condition} $$ \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
\label{eq:condition} $$ \frac{171 \cdot 061 \cdot 042 \cdot 060 \cdot 040 \cdot 006 \cdot 003 \cdot 125 \cdot 004 \cdot 013 \cdot 023 \cdot 031 \cdot 117 \cdot 111 \cdot 123 \cdot 124 \cdot 061 \cdot 06
\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
\label{eq:local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_
END
CKA SERIAL NUMBER
  MULTILINE OCTAL
\label{eq:condition} $$ \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
\label{eq:condition} $$ \060\121\061\013\060\011\006\003\125\004\006\023\002\120\114\061 $$
\label{eq:condition} $$ \0.050\0.040\0.040\0.003\1.25\0.04\0.012\0.014\0.037\1.13\1.62\1.41\1.52\1.57\1.67\0.050\0.060\0.040\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060\0.060
\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
\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
```

 $\label{eq:condition} $$ \000\,046\,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\002\004\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 $\label{eq:condition} $$ \frac{114 \cdot 061 \cdot 050 \cdot 060 \cdot 046 \cdot 006 \cdot 003 \cdot 125 \cdot 004 \cdot 012 \cdot 014 \cdot 037 \cdot 113 \cdot 162 \cdot 141 \cdot 152}{141 \cdot 061 \cdot 061$ \157\167\141\040\111\172\142\141\040\122\157\172\154\151\143\172 \145\156\151\157\167\141\040\123\056\101\056\061\030\060\026\006 $\label{eq:condition} $$ \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 \023\002\120\114\061\050\060\046\006\003\125\004\012\014\037\113 $\label{eq:local_$ \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 \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 $\\015\\040\\277\\372\\133\\313\\251\\026\\040\\255\\071\\140\\356\\057\\165\\266$ $\label{eq:condition} $\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

\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 $\label{eq:condition} $$ \000\003\202\001\000\00265\163\370\003\334\131\133\035\166\351 $$$ \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 $\label{eq:condition} $$ \053\123\000\340\377\071\271\152\007\016\353\035\034\366\242\162$ \220\313\202\075\021\202\213\322\273\237\052\257\041\346\143\206 \235\171\031\357\367\273\014\065\220\303\212\355\117\017\365\314 $\label{eq:condition} $$ \022\331\244\076\273\240\374\040\225\137\117\046\057\021\043\203$ $\label{eq:condition} $$ \frac{116\\165\\007\\017\\277\\233\\321\\264\\035\\351\\020\\004\\376\\312\\140\\217$ \242\114\270\255\317\341\220\017\315\256\012\307\135\173\267\120 \322\324\141\372\325\025\333\327\237\207\121\124\353\245\343\353 $\label{eq:condition} $$ \frac{311}{205}\frac{240}{045}\frac{040}{067}\frac{373}{216}\frac{316}{014}\frac{064}{204}\frac{341}{074}\frac{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

 $\label{eq:condition} $$ \frac{342}{122}\frac{225}{077}\frac{355}{333}\frac{044}{140}\frac{275}{156}\frac{050}{363}\frac{234}{314}\frac{317}{316} $$$

\136\263\077\336

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

 $\label{eq:condition} $$ \021\144\301\211\260\044\261\214\261\007\176\211\236\121\236\231$$

END

```
CKA ISSUER MULTILINE OCTAL
\060\121\061\013\060\011\006\003\125\004\006\023\002\120\114\061
\label{eq:condition} $$ \0.060\0.046\0.06\0.03\1.25\0.04\0.12\0.14\0.37\1.13\1.62\1.41\1.52\1.57\1.67
 \\ 141 \\ 040 \\ 111 \\ 172 \\ 142 \\ 141 \\ 040 \\ 122 \\ 157 \\ 172 \\ 154 \\ 151 \\ 143 \\ 172 \\ 145 \\ 156 
\151\157\167\141\040\123\056\101\056\061\030\060\026\006\003\125
\004\003\014\017\123\132\101\106\111\122\040\122\117\117\124\040
\103\101\062
END
CKA_SERIAL_NUMBER
MULTILINE OCTAL
\label{eq:condition} $$ \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
\061\042\060\040\006\003\125\004\012\023\031\125\156\151\172\145
\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

 $\label{eq:condition} $$ \000\201\200\061\013\060\011\006\003\125\004\006\023\002\120\114 $$ \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 $$ \145\162\164\165\155\040\101\165\164\157\162\151\164\171\061\044\060 $$ \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

 $\label{eq:condition} $$ \060\202\005\322\060\202\003\272\240\003\002\001\002\002\002\0041 $$$ \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 $\label{eq:condition} $$ \062\060\042\030\017\062\060\061\061\061\060\060\066\060\070\063$$$ \071\065\066\132\030\017\062\060\064\066\061\060\060\066\060\070 \063\071\065\066\132\060\201\200\061\013\060\011\006\003\125\004 \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\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 $\label{eq:condition} $$ \026\052\333\314\255\073\034\244\207\334\106\163\136\031\142\150 $$$ \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 \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 $\label{eq:condition} $$ 147\170\263\277\226\376\064\334\275\347\122\126\345\263\345\165$$ \173\327\101\221\005\334\135\151\343\225\015\103\271\374\203\226 $\label{eq:condition} $$ \071\225\173\154\200\132\117\023\162\306\327\175\051\172\104\272$ \122\244\052\325\101\106\011\040\376\042\240\266\133\060\215\274 \211\014\325\327\160\370\207\122\375\332\357\254\121\056\007\263 \116\376\320\011\332\160\357\230\372\126\346\155\333\265\127\113 \334\345\054\045\025\310\236\056\170\116\370\332\234\236\206\054 \312\127\363\032\345\310\222\213\032\202\226\172\303\274\120\022 $\label{eq:condition} $$ \frac{151}{330}016\frac{132}{106}\frac{213}{072}\frac{353}{046}\frac{372}{043}\frac{311}{266}\frac{260}{201}\frac{276}{276} $$$ \102\000\244\370\326\376\060\056\307\322\106\366\345\216\165\375 \362\314\271\320\207\133\314\006\020\140\273\203\065\267\136\147 \336\107\354\231\110\361\244\241\025\376\255\214\142\216\071\125 \117\071\026\271\261\143\235\377\267\002\003\001\000\001\243\102 \060\100\060\017\006\003\125\035\023\001\001\377\004\005\060\003 \001\001\377\060\035\006\003\125\035\016\004\026\004\024\266\241 \124\071\002\303\240\077\216\212\274\372\324\370\034\246\321\072 $\label{eq:condition} $$ \060\016\006\003\125\035\017\001\001\377\004\004\003\002 $$$ \001\006\060\015\006\011\052\206\110\206\367\015\001\001\015\005 \000\003\202\002\001\000\161\245\016\316\344\351\277\077\070\325 \211\132\304\002\141\373\114\305\024\027\055\213\117\123\153\020 \027\374\145\204\307\020\111\220\336\333\307\046\223\210\046\157 \160\326\002\136\071\240\367\217\253\226\265\245\023\134\201\024 \155\016\201\202\021\033\212\116\306\117\245\335\142\036\104\337 $\label{eq:condition} $$ \011\131\364\133\167\013\067\351\213\040\306\370\012\116\056\130 $$$ $\label{eq:condition} $$ \034\353\063\320\317\206\140\311\332\373\200\057\236\114\140\204$ $\label{eq:condition} $$ \frac{170\,075\,041\,144\,326\,373\,101\,037\,030\,017\,347\,311\,165\,161\,275\,275}{1} $$$ \134\336\064\207\076\101\260\016\366\271\326\077\011\023\226\024 $\begin{tabular}{l} $$ \057\336\232\035\132\271\126\316\065\072\260\137\160\115\136\343 \end{tabular}$ $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \067\262\312\260\033\046\172\232\045\037\232\232\232\200\236\113\052$$ $\label{eq:condition} $$ \077\373\243\232\376\163\062\161\302\236\306\162\341\212\150\047 $$$ \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 $\label{eq:condition} $$ \frac{157}{266}\frac{272}{154}\frac{103}{103}\frac{167}{315}\frac{212}{222}\frac{227}{241}\frac{236}{133}\frac{170}{026} $$$ \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 $\label{eq:condition} $$ \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

 $\label{eq:condition} $$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

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\061\042\060\040\006\003\125\004\012\023\031\125\156\151\172\145
\label{eq:condition} $$ 164\157\040\124\145\143\150\156\157\154\157\147\151\145\163\040$
\123\056\101\056\061\047\060\045\006\003\125\004\013\023\036\103
\145\162\164\165\155\040\103\145\162\164\151\146\151\143\141\164
\label{eq:condition} $$ \frac{151}{157}\frac{6}{040}\frac{101}{165}\frac{164}{150}\frac{157}{162}\frac{151}{164}\frac{171}{061}\frac{044}{060} $$
\042\006\003\125\004\003\023\033\103\145\162\164\165\155\040\124
\162\165\163\164\145\144\040\116\145\164\167\157\162\153\040\103
\101\040\062
END
CKA SERIAL NUMBER
MULTILINE_OCTAL
\label{eq:condition} $$ \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
\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 ID

UTF8 "0"

CKA ISSUER MULTILINE OCTAL

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL \002\001\000

END

CKA_VALUE MULTILINE_OCTAL

 $\label{eq:cond_cond} $$ \060\202\006\013\060\202\003\363\240\003\002\001\0002\0001\000$ \060\015\006\011\052\206\110\206\367\015\001\001\013\005\000\060 \201\246\061\013\060\011\006\003\125\004\006\023\002\107\122\061 $\label{eq:condition} $$ \0017\060\015\006\003\125\004\007\023\006\101\164\150\145\156\163$ \061\104\060\102\006\003\125\004\012\023\073\110\145\154\154\145 \156\151\143\040\101\143\141\144\145\155\151\143\040\141\156\144 $\\ \\ 040\\ \\ 122\\ \\ 145\\ \\ 163\\ \\ 145\\ \\ 141\\ \\ 162\\ \\ 143\\ \\ 150\\ \\ 040\\ \\ 111\\ \\ 156\\ \\ 163\\ \\ 164\\ \\ 151\\ \\ 164$ \165\164\151\157\156\163\040\103\145\162\164\056\040\101\165\164 \150\157\162\151\164\171\061\100\060\076\006\003\125\004\003\023 \067\110\145\154\154\145\156\151\143\040\101\143\141\144\145\155 \151\143\040\141\156\144\040\122\145\163\145\141\162\143\150\040 \111\156\163\164\151\164\165\164\151\157\156\163\040\122\157\157 \164\103\101\040\062\060\061\065\060\036\027\015\061\065\060\067 \060\067\061\060\061\061\062\061\132\027\015\064\060\060\066\063 $\label{eq:condition} $$ \060\061\060\061\062\061\132\060\201\246\061\013\060\011\006$ \007\023\006\101\164\150\145\156\163\061\104\060\102\006\003\125 $\\ \\004\\012\\023\\073\\110\\145\\154\\154\\154\\145\\156\\151\\143\\040\\101\\143\\141$ \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\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\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\370\251\077\033\211\374\074\074\004\135\075\220\066 \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 $\label{eq:condition} $\324\266\204\214\114\120\317\150\216\250\131\256\302\047\116\202$ \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 $\label{eq:condition} $$ \frac{172\\110\\101\\375\\105\\031\\006\\255\\047\\231\\116\\301\\160\\107\\335\\265$ \237\201\123\022\345\261\214\110\135\061\103\027\343\214\306\172 \143\226\113\051\060\116\204\116\142\031\136\074\316\227\220\245 \177\001\353\235\340\370\213\211\335\045\230\075\222\266\176\357 \331\361\121\121\175\055\046\310\151\131\141\340\254\152\270\052 $\label{eq:condition} $$ \066\021\004\172\120\275\062\204\276\057\334\162\325\327\035\026$$ \107\344\107\146\040\077\364\226\305\257\216\001\172\245\017\172 \144\365\015\030\207\331\256\210\325\372\204\301\072\300\151\050 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ 162\320\070\030\152\235\363\161\044\124\013\060\015\006\011\052$ \206\110\206\367\015\001\001\013\005\000\003\202\002\001\000\165 \273\155\124\113\252\020\130\106\064\362\142\327\026\066\135\010 \136\325\154\310\207\275\264\056\106\362\061\370\174\352\102\265 \223\026\125\334\241\014\022\240\332\141\176\017\130\130\163\144 $\label{eq:condition} $$ 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 \147\227\344\261\305\253\277\152\043\350\324\224\342\104\050\142 \304\113\342\360\330\342\051\153\032\160\176\044\141\223\173\117 \003\062\045\015\105\044\053\226\264\106\152\277\112\013\367\232 \217\301\254\032\305\147\363\157\064\322\372\163\143\214\357\026 \260\250\244\106\052\370\353\022\354\162\264\357\370\053\176\214 \122\300\213\204\124\371\057\076\343\125\250\334\146\261\331\341 \137\330\263\214\131\064\131\244\253\117\154\273\037\030\333\165 \253\330\313\222\315\224\070\141\016\007\006\037\113\106\020\361 $\label{eq:condition} $$ \276\215\205\134\073\112\053\201\171\017\264\151\237\111\120 $$$ \227\115\367\016\126\135\300\225\152\302\066\303\033\150\311\365 \052\334\107\232\276\262\316\305\045\350\372\003\271\332\371\026 \156\221\204\365\034\050\310\374\046\314\327\034\220\126\247\137 \157\072\004\274\315\170\211\013\216\017\057\243\252\117\242\033 $\label{eq:condition} $$ \022\075\026\010\100\017\361\106\114\327\252\173\010\301\012\365$ \155\047\336\002\217\312\303\265\053\312\351\353\310\041\123\070 \245\314\073\330\167\067\060\242\117\331\157\321\362\100\255\101 $\label{eq:condition} $$ \frac{326}{112}065\frac{112}{67}101\frac{325}{174}206\frac{177}{125}115\frac{325}{174}206$ \112\245\163\040\300\072\257\220\361\232\044\216\331\216\161\312 \173\270\206\332\262\217\231\076\035\023\015\022\021\356\324\253 \360\351\025\166\002\344\340\337\252\040\036\133\141\205\144\100 \251\220\227\015\255\123\322\132\035\207\152\000\227\145\142\264 \276\157\152\247\365\054\102\355\062\255\266\041\236\276\274 **END**

CKA NSS MOZILLA CA POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_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
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\312\377\342\333\003\331\313\113\351\017\255\204\375\173\030\316
END
CKA ISSUER MULTILINE OCTAL
\label{eq:condition} $$ \060\201\246\061\013\060\011\006\003\125\004\006\023\002\107\122 $$
\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
\label{eq:condition} $$ \023\067\110\145\154\154\154\145\156\151\143\040\101\143\141\144\145
\155\151\143\040\141\156\144\040\122\145\163\145\141\162\143\150
\040\111\156\163\164\151\164\165\164\151\157\156\163\040\122\157
\157\164\103\101\040\062\060\061\065
END
CKA_SERIAL_NUMBER
MULTILINE OCTAL
\002\001\000
END
CKA TRUST SERVER AUTH CK TRUST CKT NSS TRUSTED DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA TRUST CODE SIGNING CK TRUST CKT NSS MUST VERIFY TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
# Certificate "Hellenic Academic and Research Institutions ECC RootCA 2015"
# Issuer: CN=Hellenic Academic and Research Institutions ECC RootCA 2015,O=Hellenic Academic and Research
Institutions Cert. Authority, L=Athens, C=GR
Serial Number: 0 (0x0)
# Subject: CN=Hellenic Academic and Research Institutions ECC RootCA 2015,O=Hellenic Academic and
Research Institutions Cert. Authority, L=Athens, C=GR
# Not Valid Before: Tue Jul 07 10:37:12 2015
# Not Valid After: Sat Jun 30 10:37:12 2040
# Fingerprint (SHA-256):
44:B5:45:AA:8A:25:E6:5A:73:CA:15:DC:27:FC:36:D2:4C:1C:B9:95:3A:06:65:39:B1:15:82:DC:48:7B:48:33
# Fingerprint (SHA1): 9F:F1:71:8D:92:D5:9A:F3:7D:74:97:B4:BC:6F:84:68:0B:BA:B6:66
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Hellenic Academic and Research Institutions ECC RootCA 2015"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
```

CKA SUBJECT MULTILINE OCTAL

 $\label{eq:condition} $$ \000\201\252\061\013\060\011\006\003\125\004\0006\023\000\101\164\150\145\156\163\061\104\060\102\006\003\125\004\0012\023\0073\110\145\154\154\145\145\145\145\145\155\151\143\040\141\156\164\151\156\163\164\151\156\163\164\151\156\163\164\151\156\163\164\151\164\151\164\151\164\151\164\151\164\151\164\151\164\151\164\151\164\151\164\151\164\151\164\151\164\151\164\165\164\151\143\145\141\162\143\150\164\151\143\145\141\162\143\150\164\151\156\163\164\151\164\165\164\151\157\156\163\164\151\156\163\164\151\157\156\163\164\103\101\1040\1062\1060\1065$

END

CKA ID

UTF8 "0"

CKA ISSUER MULTILINE OCTAL

 $\label{eq:condition} $$ \000\201\252\061\013\060\011\006\003\125\0004\0007\023\006\101\164\150\145\156\163\061\104\060\102\006\003\125\0004\0012\023\0073\110\145\154\154\145\156\151\143\040\101\143\141\144\145\155\151\143\040\141\156\164\151\157\156\163\040\103\145\162\164\056\040\101\165\164\151\157\162\151\164\171\061\104\060\102\006\003\125\0004\003\125\0004\003\125\1004\003\125\151\143\1040\141\156\151\143\145\141\162\143\150\145\141\162\143\150\1040\111\156\163\164\151\156\163\145\141\162\143\150\1040\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

\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 $\\ 141\\144\\145\\155\\151\\143\\040\\141\\156\\144\\040\\122\\145\\163\\145\\141$ \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 $\label{eq:condition} $$ \frac{156}{151}\frac{43}{040}\frac{101}{143}\frac{141}{144}\frac{145}{155}\frac{151}{143}\frac{040}{141}\frac{156}{144} $$$ \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 $\label{eq:condition} $$ 101\040\062\060\061\065\060\166\060\020\006\007\052\206\110\316 $$$ \101\350\113\202\204\134\342\370\061\021\231\206\144\116\011\045 $\begin{tabular}{l} $$ \begin{tabular}{l} $\begin{tabular}{l} \b $\label{eq:condition} $$ 346\077\160\225\360\005\104\107\246\162\070\120\166\225\002\132 $$$ \216\256\050\236\371\055\116\231\357\054\110\157\114\045\051\350 $\label{eq:condition} $$ \frac{321}{161}\frac{33}{337}\frac{375}{301}\frac{65}{067}\frac{264}{327}\frac{372}{173}\frac{172}{102}\frac{234}{152} $$$ \012\126\132\174\151\013\252\200\011\044\154\176\301\106\243\102 \060\100\060\017\006\003\125\035\023\001\001\377\004\005\060\003 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \013\202\231\044\001\016\234\273\344\016\375\277\373\227\040\223$ \231\052\060\012\006\010\052\206\110\316\075\004\003\002\003\147 \000\060\144\002\060\147\316\026\142\070\242\254\142\105\247\251 \225\044\300\032\047\234\062\073\300\300\325\272\251\347\370\004 \103\123\205\356\122\041\336\235\365\045\203\076\236\130\113\057 \327\147\023\016\041\002\060\005\341\165\001\336\150\355\052\037 \162\041\027\313\042\101\016\214\023\230\070\232\124\155\233\312 \342\174\352\002\130\042\221

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

CKA_CLASS

[#] 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

```
CK OBJECT CLASS 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
\label{eq:condition} $$ \060\201\252\061\013\060\011\006\003\125\004\006\023\002\107\122 $$
\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
\023\073\110\145\154\154\145\156\151\143\040\101\143\141\144\145
\label{eq:condition} $$ \frac{155}{151}\frac{43}{040}\frac{141}{156}\frac{44}{040}\frac{122}{145}\frac{163}{145}\frac{141}{162}\frac{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

 $\label{eq:condition} $$ \000\11\006\003\125\004\006\023\002\125\123\061 $$ \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

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

 $\label{eq:condition} $$ \060\202\005\153\060\202\003\123\240\003\002\001\002\002\002\1000$ \202\020\317\260\322\100\343\131\104\143\340\273\143\202\213\000 \060\015\006\011\052\206\110\206\367\015\001\001\013\005\000\060 $\label{eq:condition} $$ \frac{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 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \003\237\323\107\227\174\231\110\043\123\350\070\256\117\012\157$ \203\056\321\111\127\214\200\164\266\332\057\320\070\215\173\003 \160\041\033\165\362\060\074\372\217\256\335\332\143\253\353\026 \117\302\216\021\113\176\317\013\350\377\265\167\056\364\262\173 \112\340\114\022\045\014\160\215\003\051\240\341\123\044\354\023 \331\356\031\277\020\263\112\214\077\211\243\141\121\336\254\207 \007\224\364\143\161\354\056\342\157\133\230\201\341\211\134\064 \171\154\166\357\073\220\142\171\346\333\244\232\057\046\305\320 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ 101\351\254\001\166\225\012\017\330\337\325\275\022\037\065\057$ \050\027\154\322\230\301\250\011\144\167\156\107\067\272\316\254 $\label{eq:condition} $$ \frac{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 $\label{eq:condition} $$ \frac{134}10\267\202\073\230\246\175\140\212\242\243\051\202\314\272}$ \275\203\004\033\242\203\003\101\241\326\005\361\033\302\266\360 $\verb|\|250|174|206|073|106|250|110|052|210|334|166|232|166|277|037|152|$ \245\075\031\217\353\070\363\144\336\310\053\015\012\050\377\367 \333\342\025\102\324\042\320\047\135\341\171\376\030\347\160\210 \255\116\346\331\213\072\306\335\047\121\156\377\274\144\365\063 \103\117\002\003\001\000\001\243\102\060\100\060\016\006\003\125 \035\017\001\001\377\004\004\003\002\001\006\060\017\006\003\125 $\label{eq:condition} $$ \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 $\\ \langle 042 \rangle 004 \rangle 353 \rangle 377 \rangle 331 \rangle 177 \rangle 352 \rangle 221 \rangle 053 \rangle 042 \rangle 261 \rangle 027 \rangle 016 \rangle 217 \rangle 362 \rangle 212 \rangle 212 \rangle 212 \rangle 212 \rangle 213 \rangle$ $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \frac{154}{106}\frac{325}{264}\frac{263}{226}\frac{156}{176}\frac{233}{014}\frac{226}{072}\frac{270}{122}\frac{55}{055} $$$ \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 $\label{eq:condition} $$ \frac{110}{224}\frac{321}{233}\frac{047}{276}\frac{007}{077}\frac{271}{270}\frac{117}{201}\frac{164}{121}\frac{341}{172}$ \267\355\235\043\342\276\340\325\050\004\023\074\061\003\236\335 \172\154\217\306\007\030\306\177\336\107\216\077\050\236\004\006 \317\245\124\064\167\275\354\211\233\351\027\103\337\133\333\137 \376\216\036\127\242\315\100\235\176\142\042\332\336\030\047 **END** CKA_NSS_MOZILLA_CA_POLICY CK BBOOL CK TRUE CKA_NSS_SERVER_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

```
\051\060\047\006\003\125\004\012\023\040\111\156\164\145\162\156
\141\162\143\150\040\107\162\157\165\160\061\025\060\023\006\003
\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
{\tt CKA\_TRUST\_SERVER\_AUTH\ CK\_TRUST\ CKT\_NSS\_TRUSTED\_DELEGATOR}
CKA TRUST EMAIL PROTECTION CK TRUST CKT NSS MUST VERIFY TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
# Certificate "AC RAIZ FNMT-RCM"
# Issuer: OU=AC RAIZ FNMT-RCM,O=FNMT-RCM,C=ES
# Serial Number:5d:93:8d:30:67:36:c8:06:1d:1a:c7:54:84:69:07
# Subject: OU=AC RAIZ FNMT-RCM,O=FNMT-RCM,C=ES
# Not Valid Before: Wed Oct 29 15:59:56 2008
# Not Valid After: Tue Jan 01 00:00:00 2030
# Fingerprint (SHA-256):
EB:C5:57:0C:29:01:8C:4D:67:B1:AA:12:7B:AF:12:F7:03:B4:61:1E:BC:17:B7:DA:B5:57:38:94:17:9B:93:FA
# Fingerprint (SHA1): EC:50:35:07:B2:15:C4:95:62:19:E2:A8:9A:5B:42:99:2C:4C:2C:20
CKA_CLASS CK_OBJECT_CLASS
CKO CERTIFICATE
CKA TOKEN CK BBOOL CK TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA MODIFIABLE CK BBOOL CK FALSE
CKA LABEL UTF8 "AC RAIZ FNMT-RCM"
CKA CERTIFICATE TYPE CK CERTIFICATE TYPE CKC X 509
CKA SUBJECT MULTILINE OCTAL
\060\073\061\013\060\011\006\003\125\004\006\023\002\105\123\061
\021\060\017\006\003\125\004\012\014\010\106\116\115\124\055\122
\103\115\061\031\060\027\006\003\125\004\013\014\020\101\103\040
\122\101\111\132\040\106\116\115\124\055\122\103\115
END
CKA_ID UTF8 "0"
CKA ISSUER MULTILINE OCTAL
\060\073\061\013\060\011\006\003\125\004\006\023\002\105\123\061
\021\060\017\006\003\125\004\012\014\010\106\116\115\124\055\122
\103\115\061\031\060\027\006\003\125\004\013\014\020\101\103\040
\122\101\111\132\040\106\116\115\124\055\122\103\115
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
```

\002\017\135\223\215\060\147\066\310\006\035\032\307\124\204\151 \007

END

CKA VALUE MULTILINE OCTAL

\060\202\005\203\060\202\003\153\240\003\002\001\002\002\017\135 \223\215\060\147\066\310\006\035\032\307\124\204\151\007\060\015 \006\011\052\206\110\206\367\015\001\001\013\005\000\060\073\061 \013\060\011\006\003\125\004\006\023\002\105\123\061\021\060\017 \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 $\label{eq:condition} $$ \061\062\071\065\066\132\027\015\063\060\060 $$$ \006\003\125\004\006\023\002\105\123\061\021\060\017\006\003\125 \006\003\125\004\013\014\020\101\103\040\122\101\111\132\040\106 \206\110\206\367\015\001\001\001\005\000\003\202\002\017\000\060 \202\002\012\002\202\002\001\000\272\161\200\172\114\206\156\177 \310\023\155\300\306\175\034\000\227\217\054\014\043\273\020\232 \100\251\032\267\207\210\370\233\126\152\373\346\173\216\213\222 \216\247\045\135\131\021\333\066\056\267\121\027\037\251\010\037 $\\ \\004\\027\\044\\130\\252\\067\\112\\030\\337\\345\\071\\324\\127\\375\\327\\301$ \054\221\001\221\342\042\324\003\300\130\374\167\107\354\217\076 \164\103\272\254\064\215\115\070\166\147\216\260\310\157\060\063 \130\161\134\264\365\153\156\324\001\120\270\023\176\154\112\243 \111\321\040\031\356\274\300\051\030\145\247\336\376\357\335\012 \220\041\347\032\147\222\102\020\230\137\117\060\274\076\034\105 \264\020\327\150\100\024\300\100\372\347\167\027\172\346\013\217 \145\133\074\331\232\122\333\265\275\236\106\317\075\353\221\005 \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 $\label{eq:condition} $$ \045\131\055\250\065\335\312\227\063\274\345\315\307\235\321\354$$ \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 $\label{eq:condition} $$ \003\002\001\006\060\035\006\003\125\035\016\004\026\004\024\367 $$$ \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 $\label{eq:condition} $$ \006\004\125\035\040\000\060\053\060\051\006\010\053\006\001\005$ \005\007\002\001\026\035\150\164\164\160\072\057\057\167\167\167 $\label{eq:condition} $$ \056\143\145\162\164\056\146\155\164\056\145\163\057\144\160$$$ \005\000\003\202\002\001\000\007\220\112\337\363\043\116\360\303 $\verb|234|121|145|233|234|042|242|212|014|205|363|163|051|153|115|376|$ $\label{eq:condition} $$ \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 $\label{eq:condition} $$ 105\174\145\014\370\262\067\317\254\017\317\215\157\371\031\367 $$$ \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 $\begin{tabular}{l} $$ \055\123\164\127\145\036\325\262\335\043\201\073\245\146\043\047 \end{tabular}$ \147\011\217\341\167\252\103\315\145\121\010\355\121\130\376\346 \071\371\313\107\204\244\025\361\166\273\244\356\244\073\304\137 $\label{eq:condition} $$ \frac{357}{262} 063 \frac{226}{021} 030 \frac{267}{311} 145 \frac{276}{030} \frac{341}{243} \frac{244}{334} \frac{372}{242}$ \030\371\323\274\023\233\071\172\064\272\323\101\373\372\062\212 $\label{eq:condition} $$ \052\267\053\206\013\151\203\070\276\315\212\056\013\160\255\215$ \046\222\356\036\365\001\053\012\331\326\227\233\156\340\250\031 \034\072\041\213\014\036\100\255\003\347\335\146\176\365\271\040 $\label{eq:condition} $$ \003\350\226\371\202\105\324\071\340\240\000\135\327\230\346 $$$ \175\236\147\163\303\232\052\367\253\213\241\072\024\357\064\274 \122\016\211\230\232\004\100\204\035\176\105\151\223\127\316\353 $\label{eq:condition} $$ \frac{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 $\label{eq:condition} $$ \366\110\200\005\327\017\121\171\254\020\253\324\354\003\146\346$ $\label{eq:condition} $$ \frac{152}{260}\frac{272}{061}\frac{222}{102}\frac{100}{152}\frac{276}{072}\frac{323}{162}\frac{341}{152}\frac{67}{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
\label{eq:condition} $$ \060\073\061\013\060\011\006\003\125\004\006\023\002\105\123\061 $$
\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

\156\040\122\157\157\164\040\103\101\040\061

END

CKA ID

UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

END

$CKA_SERIAL_NUMBER\ MULTILINE_OCTAL$

 $\label{eq:condition} $$ \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

 $\label{eq:condition} $$ \0.060\202\003\101\060\202\002\0051\240\003\002\001\002\002\002\006$ \154\237\317\231\277\214\012\071\342\360\170\212\103\346\226\066 \133\312\060\015\006\011\052\206\110\206\367\015\001\001\001\013\005 \000\060\071\061\013\060\011\006\003\125\004\006\023\002\125\123 \061\017\060\015\006\003\125\004\012\023\006\101\155\141\172\157 \156\061\031\060\027\006\003\125\004\003\023\020\101\155\141\172 \157\156\040\122\157\157\164\040\103\101\040\061\060\036\027\015 \061\065\060\065\062\066\060\060\060\060\060\060\060\132\027\015\063 $\label{eq:condition} $$ \070\060\061\061\067\060\060\060\060\060\060\132\060\071\061\013$ \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 $\label{eq:condition} $$ \040\120\006\154\172\320\200\262\246\371\257\354\107\031\217\120 $$$ $\label{eq:condition} $$ \070\007\334\242\207\071\130\370\272\325\251\371\110\147\060\226 $$$ \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 $\label{eq:condition} $$106\050\270\103\372\267\035\252\312\264\362\237\044\016\055\113$$ \367\161\134\136\151\377\352\225\002\313\070\212\256\120\070\157 $\label{eq:condition} $$ 33\sqrt{373} 055\sqrt{142} 033\sqrt{305} 307\sqrt{36} 124\sqrt{341} 167\sqrt{340} 147\sqrt{310} 017\sqrt{234}$ $\label{eq:condition} $$ \207\043\326\077\100\040\177\040\200\304\200\114\076\073\044\046 $$$ \216\004\256\154\232\310\252\015\002\003\001\000\001\243\102\060 \100\060\017\006\003\125\035\023\001\001\377\004\005\060\003\001 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \205\064\354\274\014\224\224\056\010\131\234\307\262\020\116\012 $$$ \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 $\label{eq:condition} $$ \0.050\0.40\0.66\0.43\0.16\2.56\3.46\0.50\2.73\2.52\3.70\2.24\2.56\1.10\2.44\0.60$ \177\033\374\044\215\113\264\310\241\227\366\266\361\172\160\310 \123\223\314\010\050\343\230\045\317\043\244\371\336\041\323\174 $\label{eq:condition} $$ \205\011\255\116\232\165\072\302\013\152\211\170\166\104\107\030 $$$ \145\154\215\101\216\073\177\232\313\364\265\247\120\327\005\054 $\label{eq:condition} $$ \067\350\003\113\255\351\141\240\002\156\365\362\360\305\262\355$$ \133\267\334\372\224\134\167\236\023\245\177\122\255\225\362\370 \223\073\336\213\134\133\312\132\122\133\140\257\024\367\113\357 \243\373\237\100\225\155\061\124\374\102\323\307\106\037\043\255 \331\017\110\160\232\331\165\170\161\321\162\103\064\165\156\127 \131\302\002\134\046\140\051\317\043\031\026\216\210\103\245\324 $\label{eq:condition} $\344\313\010\373\043\021\103\350\103\051\162\142\241\251\135\136$ \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):

```
# 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
\\ \backslash 061 \backslash 031 \backslash 060 \backslash 027 \backslash 006 \backslash 003 \backslash 125 \backslash 004 \backslash 003 \backslash 023 \backslash 020 \backslash 101 \backslash 155 \backslash 141 \backslash 172 \backslash 157
\156\040\122\157\157\164\040\103\101\040\061
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\label{eq:condition} $$ \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
```

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

CKA SUBJECT MULTILINE OCTAL

END

CKA ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

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

 $\label{eq:condition} $$ \0.060\202\005\101\060\202\003\051\240\003\002\001\002\002\002\003\006$ \154\237\322\226\065\206\237\012\017\345\206\170\370\133\046\273 \212\067\060\015\006\011\052\206\110\206\367\015\001\001\014\005 $\label{eq:condition} $$ \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\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 \157\164\040\103\101\040\062\060\202\002\042\060\015\006\011\052 \206\110\206\367\015\001\001\001\005\000\003\202\002\017\000\060 \202\002\012\002\202\002\001\000\255\226\237\055\234\112\114\112 \201\171\121\231\354\212\313\153\140\121\023\274\115\155\006\374 \260\010\215\335\031\020\152\307\046\014\065\330\300\157\040\204 \351\224\261\233\205\003\303\133\333\112\350\310\370\220\166\331 $\label{eq:condition} $$ 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 $\label{eq:condition} $$ \061\222\377\013\127\364\232\262\271\127\351\253\357\015\166\321 $$$ \360\356\364\316\206\247\340\156\351\264\151\241\337\151\366\063 $\label{eq:condition} $$ \306\151\056\227\023\236\245\207\260\127\020\201\067\311\123\263$ \273\177\366\222\321\234\320\030\364\222\156\332\203\117\246\143 \231\114\245\373\136\357\041\144\172\040\137\154\144\205\025\313 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ 134\037\373\237\275\107\353\347\111\107\225\013\116\211\042\011$ \111\340\365\141\036\361\277\056\212\162\156\200\131\377\127\072 \371\165\062\243\116\137\354\355\050\142\331\115\163\362\314\201 $\label{eq:condition} $$ \027\140\355\315\353\334\333\247\312\305\176\002\275\362\124\010 $$$ \124\375\264\055\011\054\027\124\112\230\321\124\341\121\147\010 $\label{eq:condition} $$ \frac{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 $\label{eq:condition} $$ \001\377\060\016\006\003\125\035\017\001\001\377\004\004\003\002$ \001\206\060\035\006\003\125\035\016\004\026\004\024\260\014\360 \114\060\364\005\130\002\110\375\063\345\122\257\113\204\343\146 $\label{eq:condition} $$ \frac{122\\060\\015\\006\\011\\052\\206\\110\\206\\367\\015\\001\\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 $\label{eq:condition} $$ \005\013\150\344\107\153\307\152\337\266\375\167\062\162\345\030 $$$ \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 $\label{eq:condition} $$ \032\025\032\127\170\346\222\052\331\145\220\202\077\154\002\257$ \256\022\072\047\226\066\004\327\035\242\200\143\251\233\361\345 \272\264\174\024\260\116\311\261\037\164\137\070\366\121\352\233 \372\054\242\021\324\251\055\047\032\105\261\257\262\116\161\015 $\label{eq:condition} $$ 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

 $\label{eq:control_co$

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

 $\label{eq:condition} $$ 310\345\215\316\250\102\342\172\300\052\134\174\236\046\277\146$$

END

CKA_ISSUER MULTILINE_OCTAL

 $\label{eq:condition} $$ \060\071\061\013\060\011\006\003\125\004\006\023\002\125\123\061 $$$

 $\label{eq:condition} $$ \061\031\060\027\006\003\125\004\003\023\020\101\155\141\172\157$$$

\156\040\122\157\157\164\040\103\101\040\062

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

 $\label{eq:condition} $$ \002\023\006\154\237\322\226\065\206\237\012\017\345\206\170\370 $$$

\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

 $\label{eq:condition} $$ \060\071\061\013\060\011\006\003\125\004\006\023\002\125\123\061 $$$

 $\\ \langle 017 \rangle 060 \rangle 015 \rangle 006 \rangle 003 \rangle 125 \rangle 004 \rangle 012 \rangle 023 \rangle 006 \rangle 101 \rangle 155 \rangle 141 \rangle 172 \rangle 157 \rangle 156$

\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

 $\label{eq:condition} $$ \000\071\061\013\060\011\006\003\125\004\006\023\002\125\123\061 $$$

 $\label{eq:condition} $$ \000\015\006\003\125\004\012\023\006\101\155\141\172\157\156$

 $\label{eq:condition} $$ \061\031\060\027\006\003\125\004\003\023\020\101\155\141\172\157 $$$

\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

\065\062\066\060\060\060\060\060\060\132\027\015\064\060\060\065 \062\066\060\060\060\060\060\060\060\132\060\071\061\013\060\011\006 $\\ \\003\\125\\004\\006\\023\\002\\125\\123\\061\\017\\060\\015\\006\\003\\125\\004$ $\\ \\004\\ \\003\\ \\023\\ \\020\\ \\101\\ \\155\\ \\141\\ \\172\\ \\157\\ \\156\\ \\040\\ \\122\\ \\157\\ \\157\\ \\164\\ \\040$ \103\101\040\063\060\131\060\023\006\007\052\206\110\316\075\002 \001\006\010\052\206\110\316\075\003\001\007\003\102\000\004\051 \227\247\306\101\177\300\015\233\350\001\033\126\306\362\122\245 \272\055\262\022\350\322\056\327\372\311\305\330\252\155\037\163 \201\073\073\230\153\071\174\063\245\305\116\206\216\200\027\150 \142\105\127\175\104\130\035\263\067\345\147\010\353\146\336\243 \102\060\100\060\017\006\003\125\035\023\001\001\377\004\005\060 \003\001\001\377\060\016\006\003\125\035\017\001\001\377\004\004 $\label{eq:condition} $$ \003\002\001\206\060\035\006\003\125\035\016\004\026\004\024\253 $$$ \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 $\label{eq:condition} $$ 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

 ${\sf CKA_CERT_MD5_HASH\ MULTILINE_OCTAL}$

\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
```

Open Source Used In vmoperator diamond 868

\156\040\122\157\157\164\040\103\101\040\064

END

\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

CKA SERIAL NUMBER MULTILINE OCTAL

 $\label{eq:condition} $$ \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

 $\label{eq:condition} $$ \060\202\001\362\060\202\001\170\240\003\002\001\002\002\002\003\006$ \154\237\327\301\273\020\114\051\103\345\161\173\173\054\310\032 \301\016\060\012\006\010\052\206\110\316\075\004\003\003\060\071 \015\006\003\125\004\012\023\006\101\155\141\172\157\156\061\031 $\label{eq:condition} $$ \000\027\006\003\125\004\003\023\020\101\155\141\172\157\156\040 $$$ \122\157\157\164\040\103\101\040\064\060\036\027\015\061\065\060 \065\062\066\060\060\060\060\060\060\060\132\027\015\064\060\060\065 $\label{eq:condition} $$ \062\066\060\060\060\060\060\060\071\061\013\060\011\006$ $\label{eq:condition} $$ \003\125\004\006\023\002\125\123\061\017\060\015\006\003\125\004$ \012\023\006\101\155\141\172\157\156\061\031\060\027\006\003\125 $\\ \\004\\ \\003\\ \\023\\ \\020\\ \\101\\ \\155\\ \\141\\ \\172\\ \\157\\ \\156\\ \\040\\ \\122\\ \\157\\ \\157\\ \\164\\ \\040$ \103\101\040\064\060\166\060\020\006\007\052\206\110\316\075\002 \001\006\005\053\201\004\000\042\003\142\000\004\322\253\212\067 \366\055\033\333\010\161\041\322\000\350\143\275\232\047\373\360 \071\156\135\352\075\245\311\201\252\243\133\040\230\105\135\026 \333\375\350\020\155\343\234\340\343\275\137\204\142\363\160\144 \063\240\313\044\057\160\272\210\241\052\240\165\370\201\256\142 $\label{eq:condition} $$ \006\304\201\333\071\156\051\260\036\372\056\134\243\102\060\100 $$$ \060\017\006\003\125\035\023\001\001\377\004\005\060\003\001\001 \377\060\016\006\003\125\035\017\001\001\377\004\004\003\002\001 $\label{eq:condition} $$ \206\06\003\125\035\016\004\026\004\024\323\354\307\072 $$$ \145\156\314\341\332\166\232\126\373\234\363\206\155\127\345\201 \060\012\006\010\052\206\110\316\075\004\003\003\003\150\000\060 $\label{eq:condition} $$ 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
\label{eq:condition} $$ \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

 $\label{eq:control} $$ \000\201\224\061\013\060\011\006\003\125\004\006\023\022\125\123\061\035\060\033\006\003\125\0004\012\023\024\123\171\155\141\156\164\145\143\040\123\157\162\160\157\162\141\164\151\155\141\156\164\145\143\040\124\162\165\163\164\040\116\145\164\167\157\162\153\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\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

 $\label{eq:control} $$ \000\201\224\061\013\060\011\006\003\125\004\006\023\002\125\123\061\035\060\033\006\003\125\0004\012\023\024\123\171\155\141\156\164\145\143\040\103\157\162\160\157\162\141\164\151\155\141\156\164\145\143\040\124\162\165\163\164\040\116\145\164\167\157\162\153\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\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

 $\label{eq:condition} $$ \060\202\003\366\060\202\002\336\240\003\002\001\002\002\002\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\001\3005\000\060\201\224\061\013\060\011\006\003\125\004\006\023\002\125\123\061\035\060\003\125\004\012\023\024\123\171\155\141\156\164\145\143\040\103\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\151\143\141\164\151\155\141\1162\171\040\103\145\162\164\151\146\151\146\151\146\151\146\151\146\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 \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 $\label{eq:condition} $$ \frac{123}{171}\frac{5}{141}\frac{156}{164}\frac{145}{143}\frac{040}{103}\frac{154}{141}\frac{163}{163}\frac{040}{061} $$$ \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 $\label{eq:condition} $$ 164\150\157\162\151\164\171\040\055\040\107\066\060\202\001\042$ \060\015\006\011\052\206\110\206\367\015\001\001\001\005\000\003 $\label{eq:condition} $$ \202\001\017\000\060\202\001\012\002\202\001\001\000\307\071\327 $$$ $\label{eq:condition} $$ \frac{111}144\251\231\202\042\114\352\105\331\007\026\343\173\364\203}{111}$$ \350\231\163\372\153\261\066\340\232\167\240\100\302\201\215\001 $\label{eq:condition} $$ 307\314\214\275\217\175\367\171\343\172\114\003\115\331\373\375$$ \207\070\050\054\335\232\213\124\010\333\147\373\033\214\376\050 \222\057\276\267\262\110\247\201\241\330\136\210\303\314\071\100 \101\132\321\334\345\332\020\237\057\332\001\115\375\056\106\174 \371\056\047\012\151\067\356\221\243\033\152\314\104\277\033\307 \303\324\021\262\120\140\227\011\275\056\042\365\101\204\146\237 \315\100\246\251\000\200\301\037\225\222\237\336\363\110\357\333 \035\167\141\374\177\337\356\226\244\162\320\266\076\377\170\047 \257\313\222\025\151\010\333\143\020\342\346\227\254\156\334\254 \366\242\316\036\107\231\271\211\267\022\346\241\324\315\131\021 \147\303\157\205\330\102\116\050\276\131\125\131\004\225\253\217 $\label{eq:condition} $$ \067\200\277\015\360\374\037\072\144\061\130\201\170\327\342\065$$ \366\040\077\051\270\217\026\156\076\110\334\265\114\007\341\362 \032\352\176\012\171\326\250\275\353\135\206\053\115\002\003\001 $\label{eq:condition} $$ \000\001\243\102\060\100\060\016\006\003\125\035\017\001\001\377 $$$ \004\004\003\002\001\006\060\017\006\003\125\035\023\001\001\377 \004\005\060\003\001\001\377\060\035\006\003\125\035\016\004\026 \004\024\063\101\350\310\071\022\025\223\110\362\226\062\056\132 \365\332\224\137\123\140\060\015\006\011\052\206\110\206\367\015 \001\001\013\005\000\003\202\001\001\000\025\343\163\127\261\027 \266\137\111\151\104\246\366\136\172\147\254\322\336\165\111\253 \376\045\125\307\072\311\104\025\020\156\277\061\153\313\331\007 \223\177\034\205\143\000\343\062\022\340\314\313\373\071\154\217 \342\123\342\074\100\063\331\244\214\107\346\255\130\373\211\257 \343\336\206\051\126\064\054\105\270\022\372\104\211\156\055\024 \045\050\044\001\145\326\352\122\254\005\156\126\022\011\075\320 \164\364\327\275\006\312\250\072\215\126\102\372\215\162\076\164 \361\003\162\337\207\033\136\016\172\125\226\054\070\267\230\205 \315\115\063\104\311\224\217\132\061\060\067\113\243\072\022\263 \347\066\321\041\150\113\055\070\346\123\256\034\045\126\010\126 \003\147\204\235\306\303\316\044\142\307\114\066\317\260\006\104 \267\365\137\002\335\331\124\351\057\220\116\172\310\116\203\100 $\label{eq:condition} $$ \014\232\227\074\067\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

 ${\tt CKA_NSS_EMAIL_DISTRUST_AFTER\ MULTILINE_OCTAL}$

\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

 $\label{eq:condition} $$ \frac{121\\177\\141\\036\\051\\221\\153\\123\\202\\373\\162\\347\\104\\331\\215\\303$

 $\ \ \, \backslash 314\backslash 123\backslash 155\backslash 144$

END

CKA_CERT_MD5_HASH

MULTILINE OCTAL

 $\label{eq:condition} $$ \057\250\264\332\366\144\113\036\202\371\106\075\124\032\174\260 $$$

END

CKA_ISSUER MULTILINE_OCTAL

 $\label{eq:condition} $$ \000\201\224\061\013\060\011\006\003\125\0004\006\023\002\125\123$

\061\035\060\033\006\003\125\004\012\023\024\123\171\155\141\156

 $\label{eq:condition} $$ 164\145\143\040\103\157\162\160\157\162\141\164\151\157\156\061$$

 $\label{eq:condition} $$ \037\060\035\006\003\125\004\013\023\026\123\171\155\141\156\164$$

 $\label{eq:condition} $$ \061\105\060\103\006\003\125\004\003\023\074\123\171\155\141\156$

 $\\ 146 \\ 151 \\ 143 \\ 141 \\ 164 \\ 151 \\ 157 \\ 156 \\ 040 \\ 101 \\ 165 \\ 164 \\ 150 \\ 157 \\ 162 \\ 151 \\$

```
\164\171\040\055\040\107\066
END
CKA SERIAL NUMBER MULTILINE OCTAL
\label{eq:condition} $$ \002\020\044\062\165\362\035\057\322\011\063\367\264\152\312\320 $$
\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
\label{eq:condition} $$ \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
```

 $\label{eq:continuous} $$ \frac{164\cdot145\cdot143\cdot040\cdot103\cdot157\cdot162\cdot160\cdot157\cdot162\cdot141\cdot164\cdot151\cdot157\cdot156\cdot061\cdot037\cdot060\cdot035\cdot006\cdot003\cdot125\cdot004\cdot013\cdot023\cdot026\cdot123\cdot171\cdot155\cdot141\cdot156\cdot164\cdot145\cdot143\cdot040\cdot124\cdot162\cdot165\cdot163\cdot164\cdot040\cdot116\cdot145\cdot164\cdot167\cdot157\cdot162\cdot153\cdot061\cdot105\cdot060\cdot103\cdot006\cdot003\cdot125\cdot004\cdot003\cdot023\cdot074\cdot123\cdot171\cdot155\cdot141\cdot156\cdot164\cdot145\cdot143\cdot040\cdot103\cdot154\cdot141\cdot163\cdot163\cdot040\cdot062\cdot040\cdot120\cdot165\cdot142\cdot154\cdot151\cdot143\cdot040\cdot120\cdot162\cdot151\cdot155\cdot141\cdot162\cdot171\cdot040\cdot103\cdot145\cdot162\cdot151\cdot146\cdot151\cdot143\cdot141\cdot164\cdot151\cdot157\cdot156\cdot040\cdot101\cdot165\cdot164\cdot150\cdot157\cdot162\cdot151\cdot164\cdot171\cdot040\cdot055\cdot040\cdot107\cdot066$

END

CKA SERIAL NUMBER

MULTILINE_OCTAL

 $\label{eq:condition} $$ \02\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 $\label{eq:condition} $$ \202\236\374\067\036\164\135\374\227\377\227\310\261\377\101\060$$ \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 $\label{eq:condition} $$ \000\03\006\003\125\004\012\023\024\123\171\155\141\156\164\145 $$$ \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 $\\ \\ \langle 040 \rangle 124 \rangle 162 \rangle 165 \rangle 163 \rangle 164 \rangle 040 \rangle 116 \rangle 145 \rangle 164 \rangle 167 \rangle 157 \rangle 162 \rangle 153 \rangle 061 \rangle 105$ \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 $\label{eq:condition} $$ \040\055\040\107\066\060\036\027\015\061\061\061\060\061\070\060 $$$ \060\060\060\060\060\132\027\015\063\067\061\062\060\061\062\063 \065\071\065\071\132\060\201\224\061\013\060\011\006\003\125\004 \006\023\002\125\123\061\035\060\033\006\003\125\004\012\023\024 \123\171\155\141\156\164\145\143\040\103\157\162\160\157\162\141 \164\151\157\156\061\037\060\035\006\003\125\004\013\023\026\123 \171\155\141\156\164\145\143\040\124\162\165\163\164\040\116\145 \164\167\157\162\153\061\105\060\103\006\003\125\004\003\023\074 \123\171\155\141\156\164\145\143\040\103\154\141\163\163\040\062 \040\120\165\142\154\151\143\040\120\162\151\155\141\162\171\040 $\label{eq:condition} $$ 164\150\157\162\151\164\171\040\055\040\107\066\060\202\001\042$ \060\015\006\011\052\206\110\206\367\015\001\001\001\005\000\003 \202\001\017\000\060\202\001\012\002\202\001\001\000\315\314\351 \005\310\143\205\313\077\100\143\027\275\030\372\065\346\004\147 \127\145\230\051\244\117\311\134\217\017\064\322\370\332\250\023 \142\252\270\036\120\147\170\260\026\114\240\071\251\025\172\256 \355\322\242\300\360\220\067\051\030\046\134\350\015\074\266\154 \111\077\301\340\334\331\113\266\024\031\013\246\323\226\341\326 \011\343\031\046\034\371\037\145\113\371\032\103\034\000\203\326 \320\252\111\242\324\333\346\142\070\272\120\024\103\155\371\061

\370\126\026\331\070\002\221\317\353\154\335\273\071\116\231\341 \060\147\105\361\324\360\215\303\337\376\362\070\007\041\175\000 \136\126\104\263\344\140\275\221\053\234\253\133\004\162\017\262 \050\331\162\253\005\040\102\045\251\133\003\152\040\020\314\061 \360\053\332\065\054\320\373\232\227\116\360\202\113\053\330\137 $\\ \\066\\243\\013\\055\\257\\143\\015\\035\\045\\177\\241\\156\\134\\142\\241\\215$ \050\076\241\374\034\040\370\001\057\272\125\232\021\260\031\322 \310\120\171\153\016\152\005\327\252\004\066\262\243\362\341\137 \167\247\167\234\345\036\334\351\337\152\301\145\135\002\003\001 \000\001\243\102\060\100\060\016\006\003\125\035\017\001\001\377 $\label{eq:condition} $$ \004\004\003\002\001\006\060\017\006\003\125\035\023\001\001\377 $$$ $\\ \\004\\\\005\\\\060\\\\003\\\\001\\\\001\\\\377\\\\060\\\\035\\\\006\\\\003\\\\125\\\\035\\\\016\\\\004\\\\026$ \004\024\207\214\040\225\310\230\112\321\326\200\006\112\220\064 $\label{eq:condition} $$ 104\337\034\115\277\260\060\015\006\011\052\206\110\206\367\015 $$$ $\label{eq:condition} $$ \001\001\005\000\003\202\001\001\000\201\216\262\245\146\226 $$$ \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 $\label{eq:condition} $$ 360 \times 10013 \times 0317 \times 05150 \times 242 \times 270 \times 035 \times 031166 \times 214 \times 374 \times 356 \times 031166 \times 03166 \times 031166 \times 03166 \times 031166 \times 0316$ \245\311\317\255\035\317\231\045\127\132\142\105\313\026\153\275 \026\077\317\002\032\335\341\154\153\007\141\152\166\025\051\231 \177\033\335\210\200\301\277\265\217\163\305\246\226\043\204\246 $\label{eq:condition} $$ \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

 ${\tt CKA_NSS_EMAIL_DISTRUST_AFTER\ MULTILINE_OCTAL}$

\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

 ${\tt\#\,Subject:\,CN=Symantec\,\,Class\,\,2\,\,Public\,\,Primary\,\,Certification\,\,Authority\,\,-\,\,G6,OU=Symantec\,\,Trust}$

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

```
CB:62:7D:18:B5:8A:D5:6D:DE:33:1A:30:45:6B:C6:5C:60:1A:4E:9B:18:DE:DC:EA:08:E7:DA:AA:07:81:5F:F0
# Fingerprint (SHA1): 40:B3:31:A0:E9:BF:E8:55:BC:39:93:CA:70:4F:4E:C2:51:D4:1D:8F
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA MODIFIABLE CK BBOOL CK FALSE
CKA_LABEL UTF8 "Symantec Class 2 Public Primary Certification Authority - G6"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\100\263\061\240\351\277\350\125\274\071\223\312\160\117\116\302
\121\324\035\217
END
CKA CERT MD5 HASH MULTILINE OCTAL
\175\013\203\345\373\174\255\007\117\040\251\265\337\143\355\171
END
CKA ISSUER
MULTILINE_OCTAL
\060\201\224\061\013\060\011\006\003\125\004\006\023\002\125\123
\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
\label{eq:condition} $$ \0061\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 (0xfddac)
# Subject: CN=D-TRUST Root CA 3 2013,O=D-Trust GmbH,C=DE
# Not Valid Before: Fri Sep 20 08:25:51 2013
# Not Valid After: Wed Sep 20 08:25:51 2028
# Fingerprint (SHA-256):
A1:A8:6D:04:12:1E:B8:7F:02:7C:66:F5:33:03:C2:8E:57:39:F9:43:FC:84:B3:8A:D6:AF:00:90:35:DD:94:57
```

Fingerprint (SHA-256):

Fingerprint (SHA1): 6C:7C:CC:E7:D4:AE:51:5F:99:08:CD:3F:F6:E8:C3:78:DF:6F:EF:97

CKA CLASS CK OBJECT CLASS CKO CERTIFICATE

CKA TOKEN CK BBOOL CK TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA MODIFIABLE CK BBOOL CK FALSE

CKA_LABEL UTF8 "D-TRUST Root CA 3 2013"

CKA CERTIFICATE TYPE CK CERTIFICATE TYPE CKC X 509

CKA SUBJECT MULTILINE OCTAL

 $\label{eq:condition} $$ \00105\061\013\060\011\006\003\125\004\006\023\002\104\105\061\025\060\023\006\003\125\004\012\014\104\104\055\124\162\165\163\164\040\107\155\142\110\061\037\060\035\006\003\125\004\003\014\026\104\055\124\122\125\123\124\040\122\157\157\164\040\103\101\040\063\040\062\060\061\063$$

END

CKA ID

UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

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 $\label{eq:condition} $$ \061\025\060\023\006\003\125\004\012\014\014\104\055\124\162\165$$ \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 \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 \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\006\017\006 $\label{eq:condition} $$ \003\125\035\023\001\001\377\004\005\060\003\001\001\377\060\035$ \006\003\125\035\016\004\026\004\024\077\220\310\175\307\025\157 \363\044\217\251\303\057\113\242\017\041\262\057\347\060\016\006 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ 160\206\156\154\144\141\160\072\057\057\144\151\162\145\143\164$$$ \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 $\label{eq:condition} $$ \006\011\052\206\110\206\367\015\001\001\013\005\000\003\202\001 $$$ \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 $\label{eq:condition} $$ \frac{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

```
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 (0xfddac)
# Subject: CN=D-TRUST Root CA 3 2013,O=D-Trust GmbH,C=DE
# Not Valid
Before: Fri Sep 20 08:25:51 2013
# Not Valid After: Wed Sep 20 08:25:51 2028
# Fingerprint (SHA-256):
A1:A8:6D:04:12:1E:B8:7F:02:7C:66:F5:33:03:C2:8E:57:39:F9:43:FC:84:B3:8A:D6:AF:00:90:35:DD:94:57
# Fingerprint (SHA1): 6C:7C:CC:E7:D4:AE:51:5F:99:08:CD:3F:F6:E8:C3:78:DF:6F:EF:97
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA TOKEN CK BBOOL CK TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA MODIFIABLE CK BBOOL CK FALSE
CKA_LABEL UTF8 "D-TRUST Root CA 3 2013"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\154\174\314\347\324\256\121\137\231\010\315\077\366\350\303\170
\337\157\357\227
END
CKA CERT MD5 HASH MULTILINE OCTAL
\267\042\146\230\176\326\003\340\301\161\346\165\315\126\105\277
END
CKA ISSUER MULTILINE OCTAL
\label{eq:condition} $$ \060\105\061\013\060\011\006\003\125\004\006\023\002\104\105\061 $$
\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
\label{eq:condition} $$ \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)
```

CK BBOOL CK TRUE

```
# 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

 $\\ 113 \\ 141 \\ 155 \\ 165 \\ 040 \\ 123 \\ 115 \\ 040 \\ 123 \\ 123 \\ 114 \\ 040 \\ 113 \\ 157 \\ 153 \\ 040 \\$

\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

 $\label{eq:condition} $$ \000\201\322\0061\013\000\011\000\003\125\0004\0006\0023\0017\107\145\142\172\145\004\0055\040\113\157\143\141\145\154\151\1061\102\060\100\006\003\125\0004\012\151\154\151\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\123\141\163\171\157\156\040\113\141\155\165\040\113\141\155\165\040\113\141\155\165\040\113\141\155\165\040\113\141\113\040\113\141\155\165\040\113\141\113\040\113\141\1155\165\040\113\157\153\040\113\141\163\151\1040\1055\040\113\157\153\040\113\141\155\165\164\151\146\151\153\141\163\151\1040\1055\040\113\157\153\040\123\145\162\164\151\146\151\153\141\163\151\040\055\040\1123\165\162\165\155\040\061$

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL \002\001\001 END

CKA_VALUE MULTILINE_OCTAL

 $\label{eq:condition} $$ \060\202\004\143\060\202\003\113\240\003\002\001\002\002\001\001$ \060\015\006\011\052\206\110\206\367\015\001\001\013\005\000\060 \201\322\061\013\060\011\006\003\125\004\006\023\002\124\122\061 \055\040\113\157\143\141\145\154\151\061\102\060\100\006\003\125 $\\ \\004\\ \\012\\ \\023\\ \\071\\ \\124\\ \\165\\ \\162\\ \\153\\ \\151\\ \\171\\ \\145\\ \\040\\ \\102\\ \\151\\ \\154\\ \\151$ $\label{eq:condition} $$ \frac{155}{163}\frac{145}{154}\frac{040}{166}\frac{145}{040}\frac{124}{145}\frac{153}{156}\frac{157}{154}\frac{157}{152}$$ \151\153\040\101\162\141\163\164\151\162\155\141\040\113\165\162 $\label{eq:condition} $$ \006\003\125\004\013\023\044\113\141\155\165\040\123\145\162 $$$ \164\151\146\151\153\141\163\171\157\156\040\115\145\162\153\145 \172\151\040\055\040\113\141\155\165\040\123\115\061\066\060\064 \006\003\125\004\003\023\055\124\125\102\111\124\101\113\040\113 \141\155\165\040\123\115\040\123\123\114\040\113\157\153\040\123 \145\162\164\151\146\151\153\141\163\151\040\055\040\123\165\162 \165\155\040\061\060\036\027\015\061\063\061\061\062\065\060\070 \062\065\065\065\132\027\015\064\063\061\060\062\065\060\070\062 \023\002\124\122\061\030\060\026\006\003\125\004\007\023\017\107 \145\142\172\145\040\055\040\113\157\143\141\145\154\151\061\102 \040\102\151\154\151\155\163\145\154\040\166\145\040\124\145\153 \156\157\154\157\152\151\153\040\101\162\141\163\164\151\162\155 \141\040\113\165\162\165\155\165\040\055\040\124\125\102\111\124 \101\113\061\055\060\053\006\003\125\004\013\023\044\113\141\155 $\label{eq:condition} $$ 165\040\123\145\162\164\151\146\151\153\141\163\171\157\156\040$$ \115\145\162\153\145\172\151\040\055\040\113\141\155\165\040\123 \115\061\066\060\064\006\003\125\004\003\023\055\124\125\102\111 \124\101\113\040\113\141\155\165\040\123\115\040\123\123\114\040 \113\157\153\040\123\145\162\164\151\146\151\153\141\163\151\040 \055\040\123\165\162\165\155\040\061\060\202\001\042\060\015\006 \011\052\206\110\206\367\015\001\001\001\005\000\003\202\001\017 $\label{eq:condition} $$ \000\060\202\001\012\002\202\001\001\000\257\165\060\063\252\273 $$$ $\label{eq:condition} $$ \frac{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 $\label{eq:condition} $$ 141\247\020\270\125\220\177\016\055\047\070\164\337\347\375\332 $$$

\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 $\label{eq:condition} $$ \001\001\377\060\015\006\011\052\206\110\206\367\015\001\001\013$ $\label{eq:condition} $$ \005\000\003\202\001\000\0052\077\341\361\062\216\256\341\230 $$$ \134\113\136\317\153\036\152\011\322\042\251\022\307\136\127\175 \163\126\144\200\204\172\223\344\011\271\020\315\237\052\047\341 $\label{eq:condition} $$ \000\167\276\110\310\065\250\201\237\344\270\054\311\177\016\260 $$$ \322\113\067\135\352\271\325\013\136\064\275\364\163\051\303\355 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \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)
- ${\tt \#\,Subject:\,CN=TUBITAK\,\,Kamu\,\,SM\,\,SSL\,\,Kok\,\,Sertifikasi\,\,-\,\,Surum\,\,1,OU=Kamu\,\,Sertifikasyon\,\,Merkezi\,\,-\,\,Kamu\,\,Subject:\,CN=TUBITAK\,\,Kamu\,\,SM\,\,SSL\,\,Kok\,\,Sertifikasi\,\,-\,\,Surum\,\,1,OU=Kamu\,\,Sertifikasyon\,\,Merkezi\,\,-\,\,Kamu\,\,Subject:\,CN=TUBITAK\,\,Kamu\,\,SM\,\,SSL\,\,Kok\,\,Sertifikasi\,\,-\,\,Surum\,\,1,OU=Kamu\,\,Sertifikasyon\,\,Merkezi\,\,-\,\,Kamu\,\,Subject:\,CN=TUBITAK\,\,Kamu\,\,SM\,\,SSL\,\,Kok\,\,Sertifikasi\,\,-\,\,Surum\,\,1,OU=Kamu\,\,Sertifikasyon\,\,Merkezi\,\,-\,\,Kamu\,\,Subject:\,CN=TUBITAK\,\,Kamu\,\,SM\,\,SSL\,\,Kok\,\,Sertifikasi\,\,-\,\,Surum\,\,1,OU=Kamu\,\,Sertifikasyon\,\,Merkezi\,\,-\,\,Kamu\,\,Subject:\,CN=TUBITAK\,\,Kamu\,\,SM\,\,SSL\,\,Kok\,\,Sertifikasi\,\,-\,\,Surum\,\,1,OU=Kamu\,\,Sertifikasyon\,\,Merkezi\,\,-\,\,Kamu\,\,Subject:\,CN=TUBITAK\,\,Kamu\,\,Subject:\,CN=TUBITAK\,\,Kamu\,\,Subject:\,CN=TUBITAK\,\,Kamu\,\,Subject:\,CN=TUBITAK\,\,Kamu\,\,Subject:\,CN=TUBITAK\,\,Kamu\,\,Subject:\,CN=TUBITAK\,\,Kamu\,\,Subject:\,CN=TUBITAK\,\,Kamu\,\,Subject:\,CN=TUBITAK\,\,Kamu\,\,Subject:\,CN=TUBITAK\,\,Kamu\,\,Subject:\,CN=TUBITAK\,\,Subject:\,CN=TU$
- 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 MODIFIABLE CK BBOOL CK FALSE
CKA_LABEL UTF8 "TUBITAK Kamu SM SSL Kok Sertifikasi - Surum 1"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\label{eq:condition} $$ \061\103\144\233\354\316\047\354\355\072\077\013\217\015\344\350$
\221\335\356\312
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\334\000\201\334\151\057\076\057\260\073\366\075\132\221\216\111
END
CKA_ISSUER
MULTILINE_OCTAL
\060\201\322\061\013\060\011\006\003\125\004\006\023\002\124\122
\label{eq:condition} $$ \006\003\006\003\125\004\007\023\017\107\145\142\172\145$
\\ \\ \langle 040 \rangle 055 \rangle 040 \rangle 113 \rangle 157 \rangle 143 \rangle 141 \rangle 145 \rangle 154 \rangle 151 \rangle 061 \rangle 102 \rangle 060 \rangle 100 \rangle 006 \rangle 003
\125\004\012\023\071\124\165\162\153\151\171\145\040\102\151\154
\label{eq:condition} $$ \frac{151}{155}\frac{163}{145}\frac{154}{040}\frac{166}{145}\frac{124}{145}\frac{153}{156}\frac{157}{154}\frac{157}{154}
\152\151\153\040\101\162\141\163\164\151\162\155\141\040\113\165
\162\164\151\146\151\153\141\163\171\157\156\040\115\145\162\153
\145\172\151\040\055\040\113\141\155\165\040\123\115\061\066\060
\label{eq:condition} $$ \004\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
```

CKA_PRIVATE CK_BBOOL CK_FALSE

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

 $\label{eq:condition} $$ \000142\001\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\004\0103\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

 $\label{eq:condition} $$ \000142\001\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\004\0103\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 $\\ \langle 040 \rangle 103 \rangle 117 \langle 056 \rangle 054 \rangle 114 \rangle 124 \rangle 104 \rangle 056 \rangle 061 \rangle 037 \rangle 060 \rangle 035 \rangle 006 \rangle 003 \rangle 125$ $\\ \\004\\ \\003\\ \\014\\ \\026\\ \\107\\ \\104\\ \\103\\ \\101\\ \\040\\ \\124\\ \\162\\ \\165\\ \\163\\ \\164\\ \\101\\ \\125$ \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 $\label{eq:condition} $$ \062\063\061\061\065\065\071\065\071\132\060\142\061\013\060\011 $$$ \006\003\125\004\006\023\002\103\116\061\062\060\060\006\003\125 \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 $\label{eq:condition} $$ \265\140\217\166\206\022\102\175\126\146\076\210\202\355\162\143$$ \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 $\label{eq:condition} $$ \061\101\337\077\373\305\006\357\033\266\176\032\106\066\367\144 $$$ \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 $\label{eq:condition} $$ \frac{316}{013}\frac{014}{107}\frac{247}{345}\frac{270}{275}\frac{175}{307}\frac{233}{065}\frac{240}{141}\frac{227}{270} $$$ \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 $\begin{tabular}{l} $$ \begin{tabular}{l} $\begin{tabular}{l} \b \310\362\040\301\202\354\235\021\337\302\002\373\032\073\321\355 $\\ \langle 040 \rangle 232 \rangle 357 \rangle 145 \rangle 144 \rangle 222 \rangle 020 \rangle 015 \rangle 052 \rangle 342 \rangle 336 \rangle 160 \rangle 361 \rangle 030 \rangle 147 \rangle 202 \rangle 232 \rangle 357 \rangle 145 \rangle 146 \rangle 232 \rangle 357 \rangle 146 \rangle 147 \rangle 202 \rangle 147 \rangle 202 \rangle 147 \rangle$ \214\141\336\270\274\321\057\234\373\017\320\053\355\033\166\271 \344\071\125\370\370\241\035\270\252\200\000\114\202\347\262\177 $\label{eq:condition} $$ \011\270\274\060\240\057\015\365\122\236\216\367\222\263\012\000 $$$ \035\000\124\227\006\340\261\007\331\307\017\134\145\175\074\155 \131\127\344\355\245\215\351\100\123\237\025\113\240\161\366\032 \041\343\332\160\006\041\130\024\207\205\167\171\252\202\171\002 \003\001\000\001\243\102\060\100\060\035\006\003\125\035\016\004 $\label{eq:condition} $$ \026\04\024\342\311\100\237\115\316\350\232\241\174\317\016\077 $$$ \145\305\051\210\152\031\121\060\017\006\003\125\035\023\001\001 $\label{eq:condition} $$ \sqrt{377} \cdot 004 \cdot 005 \cdot 060 \cdot 003 \cdot 001 \cdot 001 \cdot 377 \cdot 060 \cdot 016 \cdot 006 \cdot 003 \cdot 125 \cdot 035 \cdot 017 \cdot 001$ $\label{eq:condition} $$ \001\377\004\004\003\002\001\206\060\015\006\011\052\206\110\206$ $\label{eq:condition} $$ 367 \times 0.05 \times 0.00 \times 0.03 \times 0.00 \times 0.00$ \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 $\label{eq:condition} $$ \010\351\222\164\215\365\107\322\253\073\326\373\170\146\116\066 $$$ \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 $\label{eq:condition} $$ \206\344\273\216\230\047\176\272\037\026\341\160\021\362\003\337 $$$ \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 $\label{eq:condition} $$ \040\166\172\272\246\313\365\174\336\142\245\261\213\356\336\202$ \146\212\116\072\060\037\077\200\313\255\047\272\014\136\327\320 \261\126\312\167\161\262\265\165\241\120\251\100\103\027\302\050 \331\317\122\213\133\310\143\324\102\076\240\063\172\106\056\367 $\label{eq:condition} $$ \012\040\106\124\176\152\117\061\361\201\176\102\164\070\145\163$$ \047\356\306\174\270\216\327\245\072\327\230\241\234\214\020\125 \323\333\113\354\100\220\362\315\156\127\322\142\016\174\127\223 \261\247\155\315\235\203\273\052\347\345\266\073\161\130\255\375 \321\105\274\132\221\356\123\025\157\323\105\011\165\156\272\220 \135\036\004\317\067\337\036\250\146\261\214\346\040\152\357\374 \110\116\164\230\102\257\051\157\056\152\307\373\175\321\146\061 $\label{eq:condition} $$ \042\314\206\000\176\146\203\014\102\364\275\064\222\303\032\352$$ $\label{eq:local_$ \130\104\231\024\256\252\013\223\151\240\051\045\112\245\313\053 $\label{eq:condition} $$ \frac{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

 ${\sf CKA_MODIFIABLE}\ {\sf CK_BBOOL}\ {\sf CK_FALSE}$

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
\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
\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
\label{eq:condition} $$ \060\201\244\061\013\060\011\006\003\125\004\006\023\002\120\101 $$
\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

 $\label{eq:control_loss} $$ \frac{164}{163}\frac{164}{103}\frac{157}{162}040\\123\\171\\163\\164\\145\\162\\163\\1040\\122\\056\\114\\056\\061\\047\\060\\045\\006\\003\\125\\004\\013\\014\\036\\124\\162\\165\\163\\164\\103\\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

 $\label{eq:condition} $$ \000\201\244\061\013\060\0011\006\003\125\004\000\120\141\156\141\155\141\061\024\060\022\006\003\125\004\0007\014\013\120\141\156\141\155\141\040\103\151\164\171\061\044\060\042\006\003\125\004\012\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\151\164\171\061\037\060\0035\006\003\125\004\003\014\026\124\162\157\157\164\103\145\162\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

 $\label{eq:condition} $$ \0.060\202\004\060\202\003\030\240\003\002\001\002\002\011\000$ \332\233\354\161\363\003\260\031\060\015\006\011\052\206\110\206 \367\015\001\001\001\013\005\000\060\201\244\061\013\060\011\006\003 \125\004\006\023\002\120\101\061\017\060\015\006\003\125\004\010 \014\006\120\141\156\141\155\141\061\024\060\022\006\003\125\004 \007\014\013\120\141\156\141\155\141\040\103\151\164\171\061\044 \060\042\006\003\125\004\012\014\033\124\162\165\163\164\103\157 \162\040\123\171\163\164\145\155\163\040\123\056\040\144\145\040 \122\056\114\056\061\047\060\045\006\003\125\004\013\014\036\124 \162\165\163\164\103\157\162\040\103\145\162\164\151\146\151\143 \141\164\145\040\101\165\164\150\157\162\151\164\171\061\037\060 $\label{eq:condition} $$ \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\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 \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 $\label{eq:condition} $$ \frac{170}245\\006\\274\\325\\000\\136\\011\\012\\362\\047\\172\\122\\374\\055\\325$ \261\352\264\211\141\044\363\032\023\333\251\317\122\355\014\044 \272\271\236\354\176\000\164\372\223\255\154\051\222\256\121\264 \273\323\127\277\263\363\250\215\234\364\044\113\052\326\231\236 \364\236\376\300\176\102\072\347\013\225\123\332\267\150\016\220 $\label{eq:condition} $$ \frac{114\373\160\077\217\112\054\224\363\046\335\143\151\251\224\330}{120}$$ \020\116\305\107\010\220\231\033\027\115\271\154\156\357\140\225 \021\216\041\200\265\275\240\163\330\320\262\167\304\105\352\132 $\\ \langle 046 \rangle 373 \rangle 146 \rangle 166 \rangle 166 \rangle 370 \rangle 006 \rangle 037 \rangle 141 \rangle 155 \rangle 017 \rangle 125 \rangle 305 \rangle 203 \rangle 267 \rangle 020$ \126\162\006\007\245\363\261\032\003\005\144\016\235\132\212\326 \206\160\033\044\336\376\050\212\053\320\152\260\374\172\242\334 $\label{eq:condition} $$ \262\171\016\213\145\017\002\003\001\000\001\243\143\060\141\060$$$ \035\006\003\125\035\016\004\026\004\024\356\153\111\074\172\077 \015\343\261\011\267\212\310\253\031\237\163\063\120\347\060\037 \006\003\125\035\043\004\030\060\026\200\024\356\153\111\074\172 \077\015\343\261\011\267\212\310\253\031\237\163\063\120\347\060 \060\016\006\003\125\035\017\001\001\377\004\004\003\002\001\206 \060\015\006\011\052\206\110\206\367\015\001\001\013\005\000\003 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \024^340\047\335\026\230\300\225\324\012\244\344\201\232\165\224 $$$ $\label{eq:condition} $$ \065\234\220\137\210\067\006\255\131\225\012\260\321\147\323\031 $$$ \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 $\label{eq:condition} $$ 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

 $\label{eq:condition} $$ \060\201\244\061\013\060\011\006\003\125\004\006\023\002\120\101 $$$

\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

\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
\label{eq:condition} $$ \060\201\244\061\013\060\011\006\003\125\004\006\023\002\120\101 $$
\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
\\ \langle 045 \rangle 006 \rangle 003 \rangle 125 \rangle 004 \rangle 013 \rangle 014 \rangle 036 \rangle 124 \rangle 162 \rangle 165 \rangle 163 \rangle 164 \rangle 103 \rangle 157 \rangle 162 \rangle 163 \rangle 164 \rangle 165 \rangle 
\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 $\label{eq:condition} $$ \006\120\141\156\141\155\141\061\024\060\022\006\003\125\004\007 $$$ \014\013\120\141\156\141\155\141\040\103\151\164\171\061\044\060 $\\ \langle 042 \rangle 006 \rangle 003 \rangle 125 \rangle 004 \rangle 012 \rangle 014 \rangle 033 \rangle 124 \rangle 162 \rangle 165 \rangle 163 \rangle 164 \rangle 103 \rangle 157 \rangle 162 \rangle 163 \rangle 164 \rangle 165 \rangle$ $\\ \\ \langle 040 \rangle 123 \rangle 171 \rangle 163 \rangle 164 \rangle 145 \rangle 155 \rangle 163 \rangle 040 \rangle 123 \rangle 056 \rangle 040 \rangle 144 \rangle 145 \rangle 040 \rangle 122 \rangle 123 \rangle 123$ \056\114\056\061\047\060\045\006\003\125\004\013\014\036\124\162 \164\145\040\101\165\164\150\157\162\151\164\171\061\037\060\035 \006\003\125\004\003\014\026\124\162\165\163\164\103\157\162\040 \122\157\157\164\103\145\162\164\040\103\101\055\062\060\036\027 \015\061\066\060\062\060\064\061\062\063\062\063\132\027\015 \063\064\061\062\063\061\061\067\062\066\063\071\132\060\201\244 \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 $\label{eq:condition} $$ \frac{151}{164}\frac{037}{061}\frac{035}{006}\frac{003}{125}\frac{004}{003}\frac{014}{026}\frac{124}{162} $$$ \165\163\164\103\157\162\040\122\157\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 $\\ \langle 047 \rangle 307 \rangle 206 \rangle 056 \rangle 152 \rangle 217 \rangle 022 \rangle 306 \rangle 204 \rangle 136 \rangle 103 \rangle 121 \rangle 120 \rangle 234 \rangle 031 \rangle 233 \rangle 234 \rangle$ \170\346\374\366\355\107\176\173\075\146\357\023\023\210\137\074 \241\143\373\371\254\207\065\237\363\202\236\244\077\012\234\061 $\label{eq:local_$ \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 $\label{eq:control_equation} $$ 377\175\315\133\341\324\254\141\173\127\325\112\173\133\324\205$ \130\047\135\277\370\053\140\254\240\046\256\024\041\047\306\167 \232\063\200\074\136\106\077\367\303\261\243\206\063\306\350\136 $\label{eq:condition} $$ \05^271\065\054\252\106\301\205\002\165\200\240\353\044\373\025 $$$ \252\344\147\177\156\167\077\364\004\212\057\174\173\343\027\141 \360\335\011\251\040\310\276\011\244\320\176\104\303\262\060\112 \070\252\251\354\030\232\007\202\053\333\270\234\030\255\332\340 \106\027\254\317\135\002\003\001\000\001\243\143\060\141\060\035 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \236\274\233\075\234\175\230\040\031\345\214\060\142\262\060\017 $$$ \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 \002\001\000\236\105\236\014\073\266\357\341\072\310\174\321\000 $\label{eq:condition} $$ \075\317\342\352\006\265\262\072\273\006\113\150\172\320\043\227 $$$ \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 \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 $\label{eq:condition} $$ \010\217\341\071\140\167\113\254\131\204\032\210\361\335\313\117 $$$ \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 $\label{eq:condition} $$ \03\254\101\030\257\207\267\157\014\072\217\312\317\334\003\301 $$$ \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

 $\label{eq:control} $$ \end{align} $$ \end{align}$

END

CKA NSS MOZILLA CA POLICY

CK_BBOOL CK_TRUE

 ${\tt CKA_NSS_SERVER_DISTRUST_AFTER\ CK_BBOOL\ CK_FALSE}$

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

 $\label{eq:condition} $$ \001\015\006\003\125\004\010\014\006\120\141\156\141\155$$

\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

 $\\ \begin{tabular}{l} $\langle 014 \rangle 33 \rangle 124 \rangle 162 \rangle 165 \rangle 163 \rangle 164 \rangle 103 \rangle 157 \rangle 162 \rangle 040 \rangle 123 \rangle 171 \rangle 163 \rangle 164 \rangle 145 \rangle 165 \rangle$

\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
\label{eq:condition} $$ \026\124\162\165\163\164\103\157\162\040\122\157\157\164\103\145$$
\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

 $\label{eq:condition} $$ \000\201\234\061\013\060\011\006\003\125\0004\000\0120\141\156\141\155\141\061\024\060\022\006\003\125\0004\0007\014\013\120\141\156\141\155\141\040\103\151\164\171\061\044\060\042\006\003\125\0004\012\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\0004\013\014\036\124\162\165\163\164\103\157\162\040\101\165\164\150\157\162\151\164\171\061\027\060\025\006\003\125\0004\003\014\0016\124\162\165\163\164\103\157\162\040\105\103\101\055\061\ END$

CKA_SERIAL_NUMBER MULTILINE_OCTAL

 $\label{eq:condition} $$ \002\011\000\204\202\054\137\034\142\320\100 $$$

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 $\\ \\007\\ \\014\\ \\013\\ \\120\\ \\141\\ \\156\\ \\141\\ \\155\\ \\141\\ \\040\\ \\103\\ \\151\\ \\164\\ \\171\\ \\061\\ \\044$ \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 \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 $\label{eq:condition} $$ \061\062\063\062\063\063\132\027\015\062\071\061\062\063\061\061$ \067\062\070\060\067\132\060\201\234\061\013\060\011\006\003\125 \004\006\023\002\120\101\061\017\060\015\006\003\125\004\010\014 \006\120\141\156\141\155\141\061\024\060\022\006\003\125\004\007 \014\013\120\141\156\141\155\141\040\103\151\164\171\061\044\060 \042\006\003\125\004\012\014\033\124\162\165\163\164\103\157\162 \040\123\171\163\164\145\155\163\040\123\056\040\144\145\040\122 $\label{eq:condition} $$ \056\114\056\061\047\060\045\006\003\125\004\013\014\036\124\162 $$$ \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 $\label{eq:condition} $$ 107\176\015\270\273\306\014\366\163\127\026\132\176\103\221\037$ \125\072\306\155\104\004\252\234\251\234\247\114\211\027\203\256 \243\004\136\122\200\213\036\022\045\021\031\327\014\175\175\061 \104\101\352\333\257\260\034\357\201\320\054\305\232\041\233\075 \355\102\073\120\046\362\354\316\161\141\006\142\041\124\116\177 \301\235\076\177\040\214\200\313\052\330\227\142\310\203\063\221 \175\260\242\132\017\127\350\073\314\362\045\262\324\174\057\354 \115\306\241\072\025\172\347\266\135\065\365\366\110\112\066\105 $\label{eq:condition} $$ 146\324\272\230\130\301\002\003\001\000\001\243\143\060\141\060 $$$ \035\006\003\125\035\016\004\026\004\024\104\236\110\365\314\155 \110\324\240\113\177\376\131\044\057\203\227\231\232\206\060\037 \155\110\324\240\113\177\376\131\044\057\203\227\231\232\206\060 \060\016\006\003\125\035\017\001\001\377\004\004\003\002\001\206 \060\015\006\011\052\206\110\206\367\015\001\001\013\005\000\003 $\label{eq:condition} $$ \202\001\000\005\076\065\134\025\160\233\311\307\163\141\157 $$$ \162\053\324\302\217\362\103\135\002\316\304\224\271\224\021\203 \147\135\342\147\154\165\166\277\273\014\252\066\306\255\107\223 \143\334\036\176\326\336\056\376\351\031\062\070\003\177\024\366 \000\163\054\131\261\041\006\341\373\254\030\225\014\243\377\231 \226\367\053\047\233\325\044\314\035\335\301\072\340\230\104\260 \304\344\076\167\261\163\251\144\054\366\034\001\174\077\135\105 \205\300\205\347\045\217\225\334\027\363\074\237\032\156\260\312 \343\035\052\351\114\143\372\044\141\142\326\332\176\266\034\154 \365\002\035\324\052\335\125\220\353\052\021\107\074\056\136\164 \262\202\042\245\175\123\037\105\354\047\221\175\347\042\026\350 $\label{eq:condition} $$ \300\150\066\330\306\361\117\200\104\062\371\341\321\321\035\252 $$$ \336\250\253\234\004\257\255\040\016\144\230\115\245\153\300\110 \130\226\151\115\334\007\214\121\223\242\337\237\017\075\213\140 \264\202\215\252\010\116\142\105\340\371\013\322\340\340\074\133 $\label{eq:condition} $\36\134\161\047\045\302\346\003\201\213\020\123\343\307\125\242$ \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
\label{eq:condition} $$ \060\201\234\061\013\060\011\006\003\125\004\006\023\002\120\101 $$
\061\017\060\015\006\003\125\004\010\014\006\120\141\156\141\155
\141\061\024\060\022\006\003\125\004\007\014\013\120\141\156\141
\155\141\040\103\151\164\171\061\044\060\042\006\003\125\004\012
\014\033\124\162\165\163\164\103\157\162\040\123\171\163\164\145
\155\163\040\123\056\040\144\145\040\122\056\114\056\061\047\060
\045\006\003\125\004\013\014\036\124\162\165\163\164\103\157\162
\040\103\145\162\164\151\146\151\143\141\164\145\040\101\165\164
\150\157\162\151\164\171\061\027\060\025\006\003\125\004\003\014
\016\124\162\165\163\164\103\157\162\040\105\103\101\055\061
END
CKA_SERIAL_NUMBER
MULTILINE OCTAL
\002\011\000\204\202\054\137\034\142\320\100
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
#
# Certificate "SSL.com Root Certification Authority RSA"
# Issuer: CN=SSL.com Root Certification Authority RSA,O=SSL Corporation,L=Houston,ST=Texas,C=US
# Serial Number:7b:2c:9b:d3:16:80:32:99
# Subject: CN=SSL.com Root Certification Authority RSA,O=SSL Corporation,L=Houston,ST=Texas,C=US
# Not Valid Before: Fri Feb 12 17:39:39 2016
# Not Valid After: Tue Feb 12 17:39:39 2041
# Fingerprint (SHA-256):
```

85:66:6A:56:2E:E0:BE:5C:E9:25:C1:D8:89:0A:6F:76:A8:7E:C1:6D:4D:7D:5F:29:EA:74:19:CF:20:12:3B:69

Fingerprint (SHA1): B7:AB:33:08:D1:EA:44:77:BA:14:80:12:5A:6F:BD:A9:36:49:0C:BB

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE

CKA TOKEN CK BBOOL CK TRUE

CKA PRIVATE CK BBOOL CK FALSE

CKA MODIFIABLE

CK BBOOL CK FALSE

CKA_LABEL UTF8 "SSL.com Root Certification Authority RSA"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA SUBJECT MULTILINE OCTAL

 $\label{eq:condition} $$ \000\174\061\013\060\011\006\003\125\004\0006\023\002\125\123\061\016\060\014\006\003\125\004\001\0005\124\145\170\141\163\061\020\060\0016\0006\003\125\0004\0012\014\0017\123\123\114\040\103\157\162\160\157\162\141\164\151\157\156\061\061\060\057\006\003\125\0004\003\125\0004\003\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$

CKA_ID UTF8 "0"

END

CKA ISSUER MULTILINE OCTAL

 $\label{eq:control} $$ \000\174\061\013\060\011\006\003\125\004\0006\023\002\125\123\061\016\060\014\006\003\125\004\0010\14\0007\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

 $\label{eq:condition} $$ \002\010\173\054\233\323\026\200\062\231 $$$

END

CKA_VALUE MULTILINE_OCTAL

\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 $\label{eq:condition} $$ \frac{155}040\\122\\157\\157\\164\\040\\103\\145\\162\\164\\151\\146\\151\\146\\151\\143\\141$ \164\151\157\156\040\101\165\164\150\157\162\151\164\171\040\122 \123\101\060\202\002\042\060\015\006\011\052\206\110\206\367\015 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \000\142\365\042\011\124\350\145\027\116\101\271\340\117\106\227 $$$ \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 $\label{eq:condition} $$ \020\016\113\031\340\273\116\354\206\145\377\066\363\136\147\002$ \013\235\206\125\141\375\172\070\355\376\342\031\000\267\157\241 \120\142\165\164\074\240\372\310\045\222\264\156\172\042\307\370 \036\241\343\262\335\221\061\253\053\035\004\377\245\112\004\067 \351\205\244\063\053\375\342\326\125\064\174\031\244\112\150\307 \262\250\323\267\312\241\223\210\353\301\227\274\214\371\035\331 $\\ \\042\\204\\044\\164\\307\\004\\075\\152\\251\\051\\223\\314\\353\\270\\133\\341$ \376\137\045\252\064\130\310\301\043\124\235\033\230\021\303\070 $\verb|234|176|075|206|154|245|017|100|206|174|002|364|134|002|117|050|$ \313\256\161\237\017\072\310\063\376\021\045\065\352\374\272\305 \140\075\331\174\030\325\262\251\323\165\170\003\162\042\312\072 \303\037\357\054\345\056\251\372\236\054\266\121\106\375\257\003 \326\352\140\150\352\205\026\066\153\205\351\036\300\263\335\304 \044\334\200\052\201\101\155\224\076\310\340\311\201\101\000\236 $\label{eq:condition} $$ \frac{136}{277}\frac{305}{010}\frac{230}{242}\frac{030}{054}\frac{102}{100}\frac{263}{371}\frac{157}{070}\frac{047}{100} $$$ \113\116\200\364\075\201\107\340\210\174\352\034\316\265\165\134 \121\056\034\053\177\032\162\050\347\000\265\321\164\306\327\344 \237\255\007\223\266\123\065\065\374\067\344\303\366\135\026\276 \041\163\336\222\012\370\240\143\152\274\226\222\152\076\370\274 \145\125\233\336\365\015\211\046\004\374\045\032\246\045\151\313 \302\155\312\174\342\131\137\227\254\353\357\056\310\274\327\033 \131\074\053\314\362\031\310\223\153\047\143\031\317\374\351\046 $\label{eq:condition} $$ 370\312\161\233\177\223\376\064\147\204\116\231\353\374\263\170 $$$ \011\063\160\272\146\246\166\355\033\163\353\032\245\015\304\042 \023\040\224\126\012\116\054\154\116\261\375\317\234\011\272\242 \063\355\207\002\003\001\000\001\243\143\060\141\060\035\006\003 \125\035\016\004\026\004\024\335\004\011\007\242\365\172\175\122 \123\022\222\225\356\070\200\045\015\246\131\060\017\006\003\125 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \045\053\164\205\220\075\170\152\364\271\213\245\227\073\265\030 $$$ $\label{eq:condition} $$ \221\273\036\247\371\100\133\221\371\125\231\257\036\021\320\134$ $\label{eq:condition} $$ \035\247\146\343\261\224\007\014\062\071\246\352\033\260\171\330 $$$ \035\234\160\104\343\212\335\304\371\225\037\212\070\103\077\001 \205\245\107\247\075\106\262\274\345\042\150\367\173\234\330\054 $\label{eq:condition} $$ \076\012\041\310\055\063\254\277\305\201\231\061\164\301\165\161 $$$ \305\276\261\360\043\105\364\235\153\374\031\143\235\243\274\004 $\label{eq:condition} $$ 306\030\013\045\273\123\211\017\263\200\120\336\105\356\104\177 $$$ \253\224\170\144\230\323\366\050\335\207\330\160\145\164\373\016 \271\023\353\247\017\141\251\062\226\314\336\273\355\143\114\030 \273\251\100\367\240\124\156\040\210\161\165\030\352\172\264\064 \162\340\043\047\167\134\266\220\352\206\045\100\253\357\063\017 \313\237\202\276\242\040\373\366\265\055\032\346\302\205\261\164 $\label{eq:condition} $$ \001^373\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 $\label{eq:condition} $$ \066\060\376\347\167\262\240\165\227\265\055\201\210\027\145\040$$$ $\label{eq:condition} $$ 367\332\220\000\237\311\122\314\062\312\065\174\365\075\017\330 $$$ \053\327\365\046\154\311\006\064\226\026\352\160\131\032\062\171 $\label{eq:condition} $$ \frac{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

[#] 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
\020\060\016\006\003\125\004\007\014\007\110\157\165\163\164\157
\103\157\162\160\157\162\141\164\151\157\156\061\061\060\057\006
\003\125\004\003\014\050\123\123\114\056\143\157\155\040\122\157
\157\164\040\103\145\162\164\151\146\151\143\141\164\151\157\156
\040\101\165\164\150\157\162\151\164\171\040\122\123\101
END
CKA_SERIAL_NUMBER
MULTILINE OCTAL
\002\010\173\054\233\323\026\200\062\231
END
CKA TRUST SERVER AUTH CK TRUST CKT NSS TRUSTED DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
# Certificate "SSL.com Root Certification Authority ECC"
# Issuer: CN=SSL.com Root Certification Authority ECC,O=SSL Corporation,L=Houston,ST=Texas,C=US
# Serial Number:75:e6:df:cb:c1:68:5b:a8
# Subject: CN=SSL.com Root Certification Authority ECC,O=SSL Corporation,L=Houston,ST=Texas,C=US
# Not Valid Before: Fri Feb 12 18:14:03 2016
# Not Valid After: Tue Feb 12 18:14:03 2041
# Fingerprint (SHA-256):
34:17:BB:06:CC:60:07:DA:1B:96:1C:92:0B:8A:B4:CE:3F:AD:82:0E:4A:A3:0B:9A:CB:C4:A7:4E:BD:CE:BC:65
# Fingerprint (SHA1): C3:19:7C:39:24:E6:54:AF:1B:C4:AB:20:95:7A:E2:C3:0E:13:02:6A
CKA CLASS
CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
```

CKA MODIFIABLE CK BBOOL CK FALSE

CKA_LABEL UTF8 "SSL.com Root Certification Authority ECC"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL

 $\label{eq:condition} $$ \000\174\001\013\060\011\006\003\125\004\0006\023\002\125\123\061\016\060\014\0003\125\004\0010\14\0005\124\145\170\141\163\061\020\060\0016\0003\125\004\0007\014\0007\110\157\165\163\164\157\156\061\030\060\026\0006\0003\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\103\1140\105\103\103\103\100$

CKA ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

 $\label{eq:control} $$ \000\174\061\013\060\011\006\003\125\004\0006\023\002\125\123\061\016\060\014\006\003\125\004\0010\14\0005\124\145\170\141\163\061\020\060\0016\0006\003\125\0004\0012\014\0017\123\123\114\040\103\157\162\160\157\162\141\164\151\157\156\061\061\060\057\006\003\125\0004\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\002\024\240\003\002\001\002\002\010\165 $\label{eq:condition} $\346\337\313\301\150\133\250\060\012\006\010\052\206\110\316\075$ \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 \061\020\060\016\006\003\125\004\007\014\007\110\157\165\163\164 \157\156\061\030\060\026\006\003\125\004\012\014\017\123\123\114 \040\103\157\162\160\157\162\141\164\151\157\156\061\061\060\057 \006\003\125\004\003\014\050\123\123\114\056\143\157\155\040\122 \157\157\164\040\103\145\162\164\151\146\151\143\141\164\151\157

\156\040\101\165\164\150\157\162\151\164\171\040\105\103\103\060 \166\060\020\006\007\052\206\110\316\075\002\001\006\005\053\201 $\label{eq:condition} $$ \004\000\042\003\142\000\004\105\156\251\120\304\246\043\066\236 $$$ \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 $\label{eq:condition} $$ \frac{355}{236}010\\065\\310\\047\\353\\211\\214\\123\\130\\353\\142\\212\\376\\360$ \133\017\153\061\122\143\101\073\211\315\354\354\266\215\031\323 $\label{eq:condition} $$ \064\07\334\273\306\006\177\302\105\225\354\313\177\250\043\340 $$$ $\label{eq:condition} $$ \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 $\\ \langle 002 \rangle 222 \rangle 373 \rangle 345 \rangle 244 \rangle 321 \rangle 304 \rangle 041 \rangle 350 \rangle 315 \rangle 060 \rangle 017 \rangle 006 \rangle 003 \rangle 125 \rangle 035 \rangle 036 \rangle 036 \rangle 037 \rangle$ $\label{eq:condition} $$ \023\001\001\377\004\005\060\003\001\001\377\060\037\006\003\125$$ \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 $\label{eq:condition} $$ 347\353\131\021\244\140\317\141\260\226\173\355\005\371\057\023$ \221\334\355\345\374\120\153\021\106\106\263\034\041\000\142\273 \276\303\347\350\315\007\231\371\015\013\135\162\076\304\252\002 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ 135\176\342\360\007\010\150\155\322\174\151\156\137\337\345\152$$ \145

END

CKA_NSS_MOZILLA_CA_POLICY

CK BBOOL CK TRUE

CKA_NSS_SERVER_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
- ${\tt\#\,Subject:\,CN=SSL.com\,\,Root\,\,Certification\,\,Authority\,\,ECC,O=SSL\,\,Corporation,L=Houston,ST=Texas,C=US}$
- # Not Valid Before: Fri Feb 12 18:14:03 2016
- # Not Valid After: Tue Feb 12 18:14:03 2041
- # Fingerprint (SHA-256):
- 34:17:BB:06:CC:60:07:DA:1B:96:1C:92:0B:8A:B4:CE:3F:AD:82:0E:4A:A3:0B:9A:CB:C4:A7:4E:BD:CE:BC:65
- # Fingerprint (SHA1): C3:19:7C:39:24:E6:54:AF:1B:C4:AB:20:95:7A:E2:C3:0E:13:02:6A

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL

UTF8 "SSL.com Root Certification Authority ECC"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

\303\031\174\071\044\346\124\257\033\304\253\040\225\172\342\303

\016\023\002\152

END

```
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\label{eq:condition} $$ \056\32\344\071\177\234\217\067\321\160\237\046\027\121\072\216 $$
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
\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
\label{eq:condition} $$ \frac{157}{164}040\\103\\145\\162\\164\\151\\146\\151\\143\\141\\164\\151\\157\\156
\label{eq:condition} $$ \040\101\165\164\150\157\162\151\164\171\040\105\103\103
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\label{eq:condition} $$ \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
\061\016\060\014\006\003\125\004\010\014\005\124\145\170\141\163
\061\020\060\016\006\003\125\004\007\014\007\110\157\165\163\164
\157\156\061\030\060\026\006\003\125\004\012\014\017\123\123\114
\040\103\157\162\160\157\162\141\164\151\157\156\061\067\060\065
\006\003\125\004\003\014\056\123\123\114\056\143\157\155\040\105
\126\040\122\157\157\164\040\103\145\162\164\151\146\151\143\141
```

\164\151\157\156\040\101\165\164\150\157\162\151\164\171\040\122 \123\101\040\122\062

END

CKA ID

UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

 $\label{eq:control} $$ \000\201\202\061\013\060\011\006\003\125\004\000\0023\002\125\123\0061\016\006\0014\006\003\125\0004\0010\100\124\145\170\141\163\164\157\156\061\030\060\0026\006\003\125\0004\012\014\017\123\123\114\0040\103\157\162\160\157\162\141\164\151\157\156\061\067\060\065\006\003\125\0004\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\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 \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 \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 $\label{eq:condition} $$ \014\056\123\123\114\056\143\157\155\040\105\126\040\122\157\157$ \164\040\103\145\162\164\151\146\151\143\141\164\151\157\156\040 \101\165\164\150\157\162\151\164\171\040\122\123\101\040\122\062 \060\202\002\042\060\015\006\011\052\206\110\206\367\015\001\001 \001\005\000\003\202\002\017\000\060\202\002\012\002\202\002\001 \000\217\066\145\100\341\326\115\300\327\264\351\106\332\153\352 \063\107\315\114\371\175\175\276\275\055\075\360\333\170\341\206 \245\331\272\011\127\150\355\127\076\240\320\010\101\203\347\050 \101\044\037\343\162\025\320\001\032\373\136\160\043\262\313\237

\071\343\317\305\116\306\222\155\046\306\173\273\263\332\047\235 \012\206\351\201\067\005\376\360\161\161\354\303\034\351\143\242 \027\024\235\357\033\147\323\205\125\002\002\326\111\311\314\132 \341\261\367\157\062\237\311\324\073\210\101\250\234\275\313\253 \333\155\173\011\037\242\114\162\220\332\053\010\374\317\074\124 $\label{eq:condition} $$ \frac{316}{147}017\\250\\317\\135\\226\\031\\013\\304\\343\\162\\353\\255\\321\\175$ \035\047\357\222\353\020\277\133\353\073\257\317\200\335\301\322 \226\004\133\172\176\244\251\074\070\166\244\142\216\240\071\136 $\label{eq:condition} $$ \frac{352}{167}\frac{317}{135}\frac{3100}{131}\frac{217}{146}\frac{054}{076}\frac{007}{242}\frac{243}{005}\frac{046}{021} $$$ \151\227\352\205\267\017\226\013\113\310\100\341\120\272\056\212 \313\367\017\232\042\347\177\232\067\023\315\362\115\023\153\041 \321\300\314\042\362\241\106\366\104\151\234\312\141\065\007\000 \157\326\141\010\021\352\272\270\366\351\263\140\345\115\271\354 \237\024\146\311\127\130\333\315\207\151\370\212\206\022\003\107 \277\146\023\166\254\167\175\064\044\205\203\315\327\252\234\220 \032\237\041\054\177\170\267\144\270\330\350\246\364\170\263\125 \313\204\322\062\304\170\256\243\217\141\335\316\010\123\255\354 \210\374\025\344\232\015\346\237\032\167\316\114\217\270\024\025 \075\142\234\206\070\006\000\146\022\344\131\166\132\123\300\002 \230\242\020\053\150\104\173\216\171\316\063\112\166\252\133\201 \026\033\265\212\330\320\000\173\136\142\264\011\326\206\143\016 \246\005\225\111\272\050\213\210\223\262\064\034\330\244\125\156 $\label{eq:condition} $$ \267\034\320\336\231\125\073\043\364\042\340\371\051\146\046\354$$$ \040\120\167\333\112\013\217\276\345\002\140\160\101\136\324\256 \120\071\042\024\046\313\262\073\163\164\125\107\007\171\201\071 \250\060\023\104\345\004\212\256\226\023\045\102\017\271\123\304 \233\374\315\344\034\336\074\372\253\326\006\112\037\147\246\230 $\label{eq:condition} $$ \054\333\334\030\225\127\146\306\377\134\213\126\365 $$$ \167\002\003\001\000\001\243\143\060\141\060\017\006\003\125\035 \023\001\001\377\004\005\060\003\001\001\377\060\037\006\003\125 $\label{eq:condition} $$ \035\043\004\030\060\026\200\024\371\140\273\324\343\325\064\366$$ \270\365\006\200\045\247\163\333\106\151\250\236\060\035\006\003 \125\035\016\004\026\004\024\371\140\273\324\343\325\064\366\270 \365\006\200\045\247\163\333\106\151\250\236\060\016\006\003\125 \035\017\001\001\377\004\004\003\002\001\206\060\015\006\011\052 \206\110\206\367\015\001\001\013\005\000\003\202\002\001\000\126 \263\216\313\012\235\111\216\277\244\304\221\273\146\027\005\121 \230\165\373\345\120\054\172\236\361\024\372\253\323\212\076\377 \221\051\217\143\213\330\264\251\124\001\015\276\223\206\057\371 \112\155\307\136\365\127\371\312\125\034\022\276\107\017\066\305 \337\152\267\333\165\302\107\045\177\271\361\143\370\150\055\125 \004\321\362\215\260\244\317\274\074\136\037\170\347\245\240\040 \160\260\004\305\267\367\162\247\336\042\015\275\063\045\106\214 \144\222\046\343\076\056\143\226\332\233\214\075\370\030\011\327 $\label{eq:condition} $$ \003\314\175\206\202\340\312\004\007\121\120\327\377\222\325\014$$ \357\332\206\237\231\327\353\267\257\150\342\071\046\224\272\150 \267\277\203\323\352\172\147\075\142\147\256\045\345\162\350\342 \344\354\256\022\366\113\053\074\237\351\260\100\363\070\124\263

\375\267\150\310\332\306\217\121\074\262\373\221\334\034\347\233 \235\341\267\015\162\217\342\244\304\251\170\371\353\024\254\306 \103\005\302\145\071\050\030\002\303\202\262\235\005\276\145\355 \226\137\145\164\074\373\011\065\056\173\234\023\375\033\017\135 $\label{eq:condition} $$ 307\155\201\072\126\017\314\073\341\257\002\057\042\254\106\312$$ \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 $\label{eq:condition} $$ \077\024\312\100\026\225\204\363\131\251\254\137\114\141\223\155$$ \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 $\label{eq:condition} $$ \034\36\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

 $\label{eq:condition} $$ 164\072\360\122\233\320\062\240\364\112\203\315\324\272\251\173$

\174\056\304\232

END

 ${\sf CKA_CERT_MD5_HASH\ MULTILINE_OCTAL}$

 $\label{eq:condition} $$ 341 \cdot 036 \cdot 061 \cdot 130 \cdot 032 \cdot 256 \cdot 124 \cdot 123 \cdot 002 \cdot 366 \cdot 027 \cdot 152 \cdot 021 \cdot 173 \cdot 115 \cdot 225 \cdot 124 \cdot 123 \cdot 002 \cdot 366 \cdot 027 \cdot 152 \cdot 021 \cdot 173 \cdot 115 \cdot 225 \cdot 124 \cdot 123 \cdot 002 \cdot 366 \cdot 027 \cdot 152 \cdot 021 \cdot 173 \cdot 115 \cdot 225 \cdot 124 \cdot 123 \cdot 002 \cdot 366 \cdot 027 \cdot 152 \cdot 021 \cdot 173 \cdot 115 \cdot 225 \cdot 124 \cdot 123 \cdot 002 \cdot 366 \cdot 027 \cdot 152 \cdot 021 \cdot 173 \cdot 115 \cdot 225 \cdot 124 \cdot 123 \cdot 002 \cdot 366 \cdot 027 \cdot 152 \cdot 021 \cdot 173 \cdot 115 \cdot 225 \cdot 124 \cdot 123 \cdot 002 \cdot 366 \cdot 027 \cdot 152 \cdot 021 \cdot 173 \cdot 115 \cdot 225 \cdot 021 \cdot 173 \cdot 115 \cdot 225 \cdot 021 \cdot 173 \cdot 115 \cdot 124 \cdot 123 \cdot 002 \cdot 366 \cdot 027 \cdot 152 \cdot 021 \cdot 173 \cdot 115 \cdot 225 \cdot 021 \cdot 173 \cdot 124 \cdot 123 \cdot 002 \cdot 366 \cdot 027 \cdot 152 \cdot 021 \cdot 173 \cdot 115 \cdot 225 \cdot 021 \cdot 173 \cdot 115 \cdot 021 \cdot 173 \cdot 115 \cdot 021 \cdot 173 \cdot 115 \cdot 021 \cdot 173 \cdot 021 \cdot 173 \cdot 021 \cdot 021$

```
END
CKA ISSUER MULTILINE OCTAL
\label{eq:condition} $$ \060\201\202\061\013\060\011\006\003\125\004\006\023\002\125\123
\label{eq:condition} $$ \061\016\060\014\006\003\125\004\010\014\005\124\145\170\141\163$
\label{eq:condition} $$ \006\006\003\125\004\007\014\007\110\157\165\163\164 $$
\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
\label{eq:condition} $$ \002\010\126\266\051\315\064\274\170\366$$
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
\020\060\016\006\003\125\004\007\014\007\110\157\165\163\164\157
```

 $\label{eq:condition} $$ \frac{156\061\030\060\026\006\003\125\004\012\014\017\123\123\114\040\03\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

 $\label{eq:control} $$ \000\17\061\013\060\011\006\003\125\004\000\023\002\125\123\061\016\060\014\006\003\125\004\001\014\0005\124\145\170\141\163\061\020\060\0016\0006\003\125\0004\0012\014\0017\123\123\114\040\103\157\162\160\157\162\141\164\151\157\156\061\064\060\062\006\003\125\0004\003\125\0004\003\123\123\114\056\143\157\155\040\105\126\004\122\157\157\164\040\103\145\162\164\151\146\151\143\141\164\151\157\156\004\0101\165\164\150\157\162\151\164\171\004\0105\103\103\103$

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

\002\010\054\051\234\133\026\355\005\225

END

CKA VALUE MULTILINE OCTAL

 $\label{eq:condition} $$ \060\202\002\224\060\202\002\032\240\003\002\001\002\002\010\054$$$ \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 \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 $\label{eq:condition} $$ \040\105\126\040\122\157\157\164\040\103\145\162\164\151\146\151 $$$ \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 \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\114\056\143\157 \155\040\105\126\040\122\157\157\164\040\103\145\162\164\151\146 \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 $\label{eq:condition} $$ \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

 $\label{eq:control_lambda_22} $$ 336 322 201 252 315 250 055 144 121 266 331 162 233 227 346 117 060 017 006 003 125 035 023 001 001 377 004 005 060 003 001 001 377 060 037 006 003 125 035 043 004 030 060 026 200 024 133 312 136 345 336 322 201 252 315 250 055 144 121 266 331 162 233 227 346 117 060 016 006 003 125 035 017 001 001 377 004 004 003 002 001 206 060 012 006 010 052 206 110 316 075 004 003 002 003 150 000 060 145 002 061 000 212 346 100 21 1 067 353 351 325 023 331 312 324 153 044 363 260 075 207 106 130 032 354 261 337 157 373 126 272 160 153 307 070 314 350 261 214 117 017 367 361 147 166 016 203 320 036 121 217 002 060 075 366 043 050 046 114 306 140 207 223 046 233 262 065 036 272 326 367 074 321 034 316 372 045 074 246 032 201 025 133 363 022 017 154 356 145 212 311 207 250 371 007 340 142 232 214 134 112$

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

CKA_ISSUER MULTILINE_OCTAL

 $\label{eq:condition} $$ \000\177\061\013\060\011\006\003\125\004\0006\023\002\125\123\061 $$ \016\060\014\0003\125\0004\0010\014\0005\124\145\170\141\163\061 $$ \020\060\016\0006\003\125\0004\0007\110\157\165\163\164\157 $$ \156\061\030\060\026\0006\0003\125\0004\012\014\017\123\123\114\040 $$ \003\125\0004\003\014\053\123\123\114\056\143\157\155\040\105\126 $$$

```
\040\122\157\157\164\040\103\145\162\164\151\146\151\143\141\164
\151\157\156\040\101\165\164\150\157\162\151\164\171\040\105\103
\103
END
CKA SERIAL NUMBER MULTILINE OCTAL
\002\010\054\051\234\133\026\355\005\225
END
CKA_TRUST_SERVER_AUTH
CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA TRUST EMAIL PROTECTION CK TRUST CKT NSS MUST VERIFY TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
# Certificate "GlobalSign Root CA - R6"
# Issuer: CN=GlobalSign,O=GlobalSign,OU=GlobalSign Root CA - R6
# Serial Number:45:e6:bb:03:83:33:c3:85:65:48:e6:ff:45:51
# Subject: CN=GlobalSign,O=GlobalSign,OU=GlobalSign Root CA - R6
# Not Valid Before: Wed Dec 10 00:00:00 2014
# Not Valid After: Sun Dec 10 00:00:00 2034
# Fingerprint (SHA-256):
2C:AB:EA:FE:37:D0:6C:A2:2A:BA:73:91:C0:03:3D:25:98:29:52:C4:53:64:73:49:76:3A:3A:B5:AD:6C:CF:69
# Fingerprint (SHA1): 80:94:64:0E:B5:A7:A1:CA:11:9C:1F:DD:D5:9F:81:02:63:A7:FB:D1
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA TOKEN CK BBOOL CK TRUE
CKA PRIVATE CK BBOOL CK FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA LABEL UTF8 "GlobalSign Root CA - R6"
CKA CERTIFICATE TYPE CK CERTIFICATE TYPE CKC X 509
CKA_SUBJECT MULTILINE_OCTAL
\060\114\061\040\060\036\006\003\125\004\013\023\027\107\154\157
\142\141\154\123\151\147\156\040\122\157\157\164\040\103\101\040
\055\040\122\066\061\023\060\021\006\003\125\004\012\023\012\107
\154\157\142\141\154\123\151\147\156\061\023\060\021\006\003\125
\004\003\023\012\107\154\157\142\141\154\123\151\147\156
END
CKA ID
UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\114\061\040\060\036\006\003\125\004\013\023\027\107\154\157
\142\141\154\123\151\147\156\040\122\157\157\164\040\103\101\040
\055\040\122\066\061\023\060\021\006\003\125\004\012\023\012\107
\154\157\142\141\154\123\151\147\156\061\023\060\021\006\003\125
\004\003\023\012\107\154\157\142\141\154\123\151\147\156
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\016\105\346\273\003\203\063\303\205\145\110\346\377\105\121
```

END

CKA VALUE MULTILINE OCTAL

\060\202\005\203\060\202\003\153\240\003\002\001\002\002\016\105 \346\273\003\203\063\303\205\145\110\346\377\105\121\060\015\006 \011\052\206\110\206\367\015\001\001\014\005\000\060\114\061\040 $\label{eq:condition} $$ \006\003\125\004\013\023\027\107\154\157\142\141\154\123 $$$ \151\147\156\040\122\157\157\164\040\103\101\040\055\040\122\066 \061\023\060\021\006\003\125\004\012\023\012\107\154\157\142\141 \154\123\151\147\156\061\023\060\021\006\003\125\004\003\023\012 \107\154\157\142\141\154\123\151\147\156\060\036\027\015\061\064 \061\062\061\060\060\060\060\060\060\060\132\027\015\063\064\061 $\label{eq:condition} $$ \062\061\060\060\060\060\060\060\132\060\114\061\040\060\036$ \006\003\125\004\013\023\027\107\154\157\142\141\154\123\151\147 $\label{eq:condition} $$ \frac{156}040\\122\\157\\157\\164\\040\\103\\101\\040\\055\\040\\122\\066\\061\\023$ \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 $\label{eq:condition} $$ \frac{354}024\frac{312}173\sqrt{074}\frac{367}015\sqrt{010}\frac{361}264\sqrt{105}\sqrt{013}\sqrt{054}\frac{202}264\sqrt{110}$ \306\353\133\074\256\203\270\101\222\063\024\244\157\177\351\052 \314\306\260\210\153\305\266\211\321\306\262\377\024\316\121\024 $\\ \\ 041\\354\\112\\335\\033\\132\\306\\326\\207\\356\\115\\072\\025\\006\\355\\144$ \146\013\222\200\312\104\336\163\224\116\363\247\211\177\117\170 $\label{eq:condition} $$ \frac{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 $\label{eq:condition} $$ \224\356\243\305\070\226\233\116\116\132\013\107\363\006\066$$$ $\label{eq:condition} $$ \frac{111}{67}060\\274\\161\\067\\345\\246\\354\\041\\010\\165\\374\\346\\141\\026$ \077\167\325\331\221\227\204\012\154\324\002\115\164\300\024\355 \375\071\373\203\362\136\024\241\004\260\013\351\376\356\217\341 $\label{eq:condition} $$ \frac{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 $\label{eq:condition} $$ \062\007\330\024\143\074\050\114\257\002\003\001\000\001\243\143$ \060\141\060\016\006\003\125\035\017\001\001\377\004\004\003\002 \001\006\060\017\006\003\125\035\023\001\001\377\004\005\060\003 $\label{eq:condition} $$ \001\001\377\060\035\006\003\125\035\016\004\026\004\024\256\154$$ \005\243\223\023\342\242\347\342\327\034\326\307\360\177\310\147 \123\240\060\037\006\003\125\035\043\004\030\060\026\200\024\256 \154\005\243\223\023\342\242\347\342\327\034\326\307\360\177\310 \147\123\240\060\015\006\011\052\206\110\206\367\015\001\001\014 $\label{eq:condition} $$ \005\000\003\202\002\001\000\203\045\355\350\321\375\225\122\315$$ \236\300\004\240\221\151\346\134\320\204\336\334\255\242\117\350 \107\170\326\145\230\251\133\250\074\207\174\002\212\321\156\267 $\label{eq:condition} $$ \026\163\346\137\300\124\230\325\164\276\301\315\342\021\221\255$ $\label{eq:condition} $$ \030\075\335\341\162\104\226\264\225\136\300\173\216\231\170 $$$ \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 $\label{eq:condition} $$ \333\076\252\114\125\375\232\025\251\157\341\246\373\337 $$ \160\060\351\303\356\102\106\355\302\223\005\211\372\175\143\173 $\label{eq:condition} $$ \077\320\161\201\174\000\350\230\256\016\170\064\303\045\373\257 $$$ $\label{eq:condition} $$ \012\237\040\153\335\073\023\217\022\214\342\101\032\110\172\163$ \240\167\151\307\266\134\177\202\310\036\376\130\033\050\053\250 \154\255\136\155\300\005\322\173\267\353\200\376\045\067\376\002 \233\150\254\102\135\303\356\365\314\334\360\120\165\322\066\151 \234\346\173\004\337\156\006\151\266\336\012\011\110\131\207\353 $\label{eq:condition} $$ \frac{173}024\frac{140}{172}\frac{44}{252}\frac{151}{103}\frac{357}{221}\frac{307}{114}\frac{354}{030}\frac{335}{154} $$$ \357\123\055\214\231\341\136\362\162\076\317\124\310\275\147\354 \244\017\114\105\377\323\271\060\043\007\114\217\020\277\206\226 \331\231\132\264\231\127\034\244\314\273\025\211\123\272\054\005 \017\344\304\236\031\261\030\064\325\114\235\272\355\367\037\257 \044\225\004\170\250\003\273\356\201\345\332\137\174\213\112\241 \220\164\045\247\263\076\113\310\054\126\275\307\310\357\070\342 $\label{eq:condition} $$ \frac{34}{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
CKA_CLASS CK_OBJECT_CLASS 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):
```

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

 $\label{eq:condition} $$ \00155\061\013\060\011\006\003\125\004\006\023\002\103\110\061\020\060\016\006\003\125\004\012\023\007\127\111\123\145\113\145\171\061\042\060\040\006\003\125\004\013\023\031\117\111\123\124\105\040\106\157\165\144\141\164\151\157\156\040\105\156\144\141\164\151\157\156\040\105\156\144\141\157\162\163\145\144\061\050\060\046\006\003\125\004\003\023\037\117\111\123\124\105\040\122\157\157\164\040\107\103\040\103\101$$

END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

 $\label{eq:control_loss} $$ \0011\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\105\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

 $\label{eq:condition} $$ \002\020\041\052\126\014\256\332\014\253\100\105\277\053\242\055\072\352$

END

CKA_VALUE MULTILINE_OCTAL

 $\label{eq:condition} $$ \000\200\151\060\202\001\357\240\003\002\001\002\002\020\041 $$ \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 $$ \125\004\013\023\031\117\111\123\124\105\040\106\157\165 $$ \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 $$ \122\157\157\164\040\107\103\040\103\101\060\036\027\015\064\062\060 $$ \065\060\071\060\071\066\070\063\064\132\027\015\064\062\060 $$ \066\003\125\004\006\023\002\103\110\061\020\060\016\006\003\125\004\006\003\125\004\006\003\125\111\123\145\113\145\111\061\042\060\040\006$ 0040\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 $\label{eq:condition} $$ \0.060\0.046\0.06\0.03\1.25\0.04\0.03\0.23\0.37\1.17\1.11\1.23\1.24\1.05\0.40 $$$ \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 $\label{eq:condition} $$ \247\143\220\322\071\324\261\207\170\137\030\226\017\120\033\065$$ $\label{eq:condition} $$ \067\017\152\306\334\331\023\115\244\216\220\067\346\275\133\061 $$$ \221\243\124\060\122\060\016\006\003\125\035\017\001\001\377\004 $\label{eq:condition} $$ \004\003\002\001\006\060\017\006\003\125\035\023\001\001\377\004$ $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \255\214\264\120\146\060\020\006\011\053\006\001\004\001\202\067 $$$ \025\001\004\003\002\001\000\060\012\006\010\052\206\110\316\075 \004\003\003\003\150\000\060\145\002\060\046\307\151\133\334\325 $\label{eq:condition} $$ 347\262\347\310\014\214\214\303\335\171\214\033\143\325\311\122$ \224\116\115\202\112\163\036\262\200\204\251\045\300\114\132\155 \111\051\140\170\023\342\176\110\353\144\002\061\000\333\064\040 $\label{eq:condition} $$ \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

 ${\tt CKA_CLASS\ CK_OBJECT_CLASS\ CKO_NSS_TRUST}$

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
\157\142\141\154\040\122\157\157\164\040\107\103\040\103\101
END
CKA_SERIAL_NUMBER
MULTILINE OCTAL
\label{eq:condition} $$ \002\020\041\052\126\014\256\332\014\253\100\105\277\053\242\055$
\072\352
END
{\tt 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
\163\164\061\033\060\031\006\003\125\004\003\014\022\125\103\101
```

END

\040\107\154\157\142\141\154\040\107\062\040\122\157\157\164

CKA ID UTF8 "0"

CKA ISSUER MULTILINE OCTAL

CKA SERIAL NUMBER

MULTILINE OCTAL

\002\020\135\337\261\332\132\243\355\135\276\132\145\040\145\003 \220\357

END

END

CKA VALUE MULTILINE OCTAL

 $\label{eq:condition} $$ \060\202\005\106\060\202\003\056\240\003\002\001\002\002\002\135$$ \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 \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 $\label{eq:condition} $$ \frac{154}157\frac{42}141\frac{54}040\frac{107}062\frac{040}{122}\frac{157}{157}\frac{64}060\frac{036}027 }{157} $$$ \015\061\066\060\063\061\061\060\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 \006\003\125\004\012\014\010\125\156\151\124\162\165\163\164\061 \033\060\031\006\003\125\004\003\014\022\125\103\101\040\107\154 \157\142\141\154\040\107\062\040\122\157\157\164\060\202\002\042 \060\015\006\011\052\206\110\206\367\015\001\001\001\005\000\003 $\label{eq:condition} $$ \202\002\017\000\060\202\002\012\002\202\002\001\000\305\346\053$$ \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 $\verb|251|053|301|147|027|042|035|053|355|371|051|211|223|242|170|275|$ \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 $\label{eq:condition} $$ \frac{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 $\label{eq:condition} $$ 326\247\116\260\046\310\363\331\032\227\221\150\352\357\215\106$ \006\322\126\105\130\232\074\014\017\203\270\005\045\303\071\317 \073\244\064\211\267\171\022\057\107\305\347\251\227\151\374\246 \167\147\265\337\173\361\172\145\025\344\141\126\145\002\003\001 \000\001\243\102\060\100\060\016\006\003\125\035\017\001\001\377 $\label{eq:condition} $$ \004\004\003\002\001\006\060\017\006\003\125\035\023\001\001\377 $$$ $\\ \\004\\005\\060\\003\\001\\001\\377\\060\\035\\006\\003\\125\\035\\016\\004\\026$ \004\024\201\304\214\314\365\344\060\377\245\014\010\137\214\025 \147\041\164\001\337\337\060\015\006\011\052\206\110\206\367\015 \001\001\013\005\000\003\202\002\001\000\023\145\042\365\216\053 \255\104\344\313\377\271\150\346\303\200\110\075\004\173\372\043 \057\172\355\066\332\262\316\155\366\346\236\345\137\130\217\313 \067\062\241\310\145\266\256\070\075\065\033\076\274\073\266\004 \320\274\371\111\365\233\367\205\305\066\266\313\274\370\310\071 $\label{eq:condition} $$ 325\344\137\007\275\025\124\227\164\312\312\355\117\272\272\144$$ \166\237\201\270\204\105\111\114\215\157\242\353\261\314\321\303 \224\332\104\302\346\342\352\030\350\242\037\047\005\272\327\345 \326\251\315\335\357\166\230\215\000\016\315\033\372\003\267\216 \200\130\016\047\077\122\373\224\242\312\136\145\311\326\204\332 \271\065\161\363\046\300\117\167\346\201\047\322\167\073\232\024 \157\171\364\366\320\341\323\224\272\320\127\121\275\047\005\015 \301\375\310\022\060\356\157\215\021\053\010\235\324\324\277\200 $\label{eq:condition} $$ 105\024\232\210\104\332\060\352\264\247\343\356\357\133\202\325 $$$ \076\326\255\170\222\333\134\074\363\330\255\372\270\153\177\304 \066\050\266\002\025\212\124\054\234\260\027\163\216\320\067\243 \024\074\230\225\000\014\051\005\133\236\111\111\261\137\307\343 \313\317\047\145\216\065\027\267\127\310\060\331\101\133\271\024 \266\350\302\017\224\061\247\224\230\314\152\353\265\341\047\365 \020\250\001\350\216\022\142\350\210\314\265\177\106\227\300\233 $\label{eq:condition} $$ \020\146\070\032\066\106\137\042\150\075\337\311\306\023\047\253$ $\label{eq:condition} $$ 123\006\254\242\074\206\006\145\157\261\176\261\051\104\232\243 $$$ \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 $\label{eq:condition} $$ \046\211\273\326\063\057\120\325\376\232\211\272\030\062\222\124 $$$ \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 $\label{eq:condition} $$ \037\005\376\343\242\357\263\250\263\363\175\217\370\014\037\042 $$$ \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

 $\label{eq:condition} $$134\266\114\212$$

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

 $\label{eq:condition} $$ \021\060\017\006\003\125\004\012\014\010\125\156\151\124\162\165$$

\163\164\061\033\060\031\006\003\125\004\003\014\022\125\103\101

 $\\ \\ \langle 040 \rangle 107 \rangle 154 \rangle 157 \rangle 142 \rangle 141 \rangle 154 \rangle 040 \rangle 107 \rangle 062 \rangle 040 \rangle 122 \rangle 157 \rangle 157 \rangle 164$

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

 ${\tt CKA_TRUST_STEP_UP_APPROVED\ CK_BBOOL\ CK_FALSE}$

#

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

 $\label{eq:condition} $$ \060\107\061\013\060\011\006\003\125\004\006\023\002\103\116\061 $$$

\021\060\017\006\003\125\004\012\014\010\125\156\151\124\162\165

\040\105\170\164\145\156\144\145\144\040\126\141\154\151\144\141

\164\151\157\156\040\122\157\157\164

END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

\060\107\061\013\060\011\006\003\125\004\006\023\002\103\116\061 \021\060\017\006\003\125\004\012\014\010\125\156\151\124\162\165

\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

 $\label{eq:condition} $$ \002\020\117\322\053\217\365\144\310\063\236\117\064\130\146\043\160\140$

END

CKA VALUE MULTILINE OCTAL

 $\label{eq:constraint} $$ \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\001\3005\000\060\1061\\ \061\013\060\011\006\003\125\004\006\023\002\103\116\061\021\060 \\ \017\006\003\125\004\012\014\010\125\156\151\124\162\165\163\164 \\ \061\045\060\043\006\003\125\004\003\014\034\125\103\101\040\105 \\ \170\164\145\156\144\145\144\040\126\141\154\151\144\141\164\151 \\ \157\156\040\122\157\157\164\060\036\027\015\061\065\060\063\061 \\ \063\060\060\060\060\060\060\060\060\0132\027\015\063\070\061\062\063\061 \\ \060\060\060\060\060\060\060\060\0132\060\17\066\003\125\004\012\014 \\ \010\125\156\151\124\162\165\163\164\061\045\060\043\006\003\125 \\ \001\002\125\156\151\124\162\165\163\164\061\045\060\043\006\003\125 \\ \001\002\125\156\151\124\162\165\163\164\061\045\060\043\006\003\125 \\ \001\002\125\156\151\124\162\165\163\164\061\045\060\043\006\003\125 \\ \001\002\125\004\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 $\label{eq:condition} $$ 163\261\221\240\165\076\250\372\343\070\000\172\354\211\152\040 $$$ \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 $\label{eq:condition} $$ \222\005\353\005\053\232\110\320\270\166\076\226\310\040\273\322$ \260\361\217\330\254\105\106\377\252\147\140\264\167\176\152\037 \074\032\122\172\004\075\007\074\205\015\204\320\037\166\012\367 $\label{eq:condition} $$ \frac{343}{64}174\frac{127}{116}\frac{001}{076}171\frac{361}{252}051 $$ \073\154\372\370\217\155\115\310\065\337\256\353\334\044\356\171 $\label{eq:condition} $$ 105\247\205\266\005\210\336\210\135\045\174\227\144\147\011\331 $$$ \277\132\025\005\206\363\011\036\354\130\062\063\021\363\167\144 \260\166\037\344\020\065\027\033\362\016\261\154\244\052\243\163 \374\011\037\036\062\031\123\021\347\331\263\054\056\166\056\241 \243\336\176\152\210\011\350\362\007\212\370\262\315\020\347\342 \163\100\223\273\010\321\077\341\374\013\224\263\045\357\174\246 $\label{eq:condition} $$ \frac{327}{321}\frac{257}{237}\frac{377}{226}\frac{232}{365}\frac{173}{230}\frac{13}{167}\frac{324}{176}\frac{350}{350} $$$ \007\322\142\265\225\071\343\363\361\155\017\016\145\204\212\143 \124\305\200\266\340\236\113\175\107\046\247\001\010\135\321\210 $\label{eq:condition} $$ \236\327\303\062\104\372\202\112\012\150\124\177\070\123\003\314$$ \244\000\063\144\121\131\013\243\202\221\172\136\354\026\302\363 \052\346\142\332\052\333\131\142\020\045\112\052\201\013\107\007 \103\006\160\207\322\372\223\021\051\172\110\115\353\224\307\160 \115\257\147\325\121\261\200\040\001\001\264\172\010\246\220\177 \116\340\357\007\101\207\257\152\245\136\213\373\317\120\262\232 \124\257\303\211\272\130\055\365\060\230\261\066\162\071\176\111 \004\375\051\247\114\171\344\005\127\333\224\271\026\123\215\106 $\label{eq:condition} $$ \263\035\225\141\127\126\177\257\360\026\133\141\130\157\066\120 $$$ \021\013\330\254\053\225\026\032\016\037\010\315\066\064\145\020 \142\146\325\200\137\024\040\137\055\014\240\170\012\150\326\054 \327\351\157\053\322\112\005\223\374\236\157\153\147\377\210\361 \116\245\151\112\122\067\005\352\306\026\215\322\304\231\321\202 \053\073\272\065\165\367\121\121\130\363\310\007\335\344\264\003 \177\002\003\001\000\001\243\102\060\100\060\035\006\003\125\035 $\label{eq:condition} $$ \004\026\004\024\331\164\072\344\060\075\015\367\022\334\176$ $\label{eq:condition} $$ 132\005\237\036\064\232\367\341\024\060\017\006\003\125\035\023$ $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \205\312\260\273\363\070\115\054\220\071\300\015\302\135\153\351 $$$ \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 $\label{eq:condition} $$ \236\075\025\301\073\056\147\002\130\221\237\357\370\102\037\054$$$ \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 \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 $\label{eq:condition} $$ \074\336\366\354\171\255\053\130\031\242\255\054\042\032\225\216$ \276\226\220\135\102\127\304\371\024\003\065\053\034\055\121\127 \010\247\072\336\077\344\310\264\003\163\302\301\046\200\273\013 \102\037\255\015\257\046\162\332\314\276\263\243\203\130\015\202 \305\037\106\121\343\234\030\314\215\233\215\354\111\353\165\120 \325\214\050\131\312\164\064\332\214\013\041\253\036\352\033\345 \307\375\025\076\300\027\252\373\043\156\046\106\313\372\371\261 \162\153\151\317\042\204\013\142\017\254\331\031\000\224\242\166 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \frac{176 \cdot 062 \cdot 232 \cdot 210 \cdot 225 \cdot 010 \cdot 066 \cdot 122 \cdot 273 \cdot 336 \cdot 166 \cdot 137 \cdot 166 \cdot 111 \cdot 111 \cdot 255}{176 \cdot 062 \cdot 232 \cdot 210 \cdot 225 \cdot 010 \cdot 066 \cdot 122 \cdot 273 \cdot 336 \cdot 166 \cdot 137 \cdot 166 \cdot 111 \cdot 111 \cdot 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
\label{eq:condition} $$ \040\105\170\164\145\156\144\145\144\040\126\141\154\151\144\141
\164\151\157\156\040\122\157\157\164
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\label{eq:condition} $$ \002\020\117\322\053\217\365\144\310\063\236\117\064\130\146\043 $$
\160\140
END
CKA TRUST SERVER AUTH CK TRUST CKT NSS TRUSTED DELEGATOR
CKA TRUST EMAIL PROTECTION
CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA TRUST CODE SIGNING CK TRUST CKT NSS MUST VERIFY TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
# Certificate "Certigna Root CA"
# Issuer: CN=Certigna Root CA,OU=0002 48146308100036,O=Dhimyotis,C=FR
# Serial Number:00:ca:e9:1b:89:f1:55:03:0d:a3:e6:41:6d:c4:e3:a6:e1
# Subject: CN=Certigna Root CA,OU=0002 48146308100036,O=Dhimyotis,C=FR
# Not Valid Before: Tue Oct 01 08:32:27 2013
# Not Valid After: Sat Oct 01 08:32:27 2033
# Fingerprint (SHA-256):
D4:8D:3D:23:EE:DB:50:A4:59:E5:51:97:60:1C:27:77:4B:9D:7B:18:C9:4D:5A:05:95:11:A1:02:50:B9:31:68
# Fingerprint (SHA1): 2D:0D:52:14:FF:9E:AD:99:24:01:74:20:47:6E:6C:85:27:27:F5:43
CKA CLASS CK OBJECT CLASS CKO CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA PRIVATE CK BBOOL CK FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Certigna Root CA"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\label{eq:condition} $$ \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\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

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\002\001 \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 $\\ \backslash 060 \backslash 020 \backslash 006 \backslash 003 \backslash 125 \backslash 004 \backslash 012 \backslash 014 \backslash 011 \backslash 104 \backslash 150 \backslash 151 \backslash 155 \backslash 171 \backslash 157 \backslash 164$ \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 $\label{eq:condition} $$ \001\031\060\027\006\003\125\004\003\014\020\103\145\162\164\151 $$$ \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 \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 $\label{eq:condition} $$ \006\003\125\004\003\014\020\103\145\162\164\151\147\156\141\040 $$$ \122\157\157\164\040\103\101\060\202\002\042\060\015\006\011\052 \206\110\206\367\015\001\001\001\005\000\003\202\002\017\000\060 \202\002\012\002\202\002\001\000\315\030\071\145\032\131\261\352 \144\026\016\214\224\044\225\174\203\323\305\071\046\334\014\357 \026\127\215\327\330\254\243\102\177\202\312\355\315\133\333\016 \267\055\355\105\010\027\262\331\263\313\326\027\122\162\050\333 \216\116\236\212\266\013\371\236\204\232\115\166\336\042\051\134 $\label{eq:condition} $$ 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 $\label{eq:condition} $$ \035\246\160\301\177\074\033\241\222\373\317\310\074\326\305\223$ \012\217\365\125\072\166\225\316\131\230\212\011\225\167\062\232 $\label{eq:condition} $$ \203\272\054\004\072\227\275\324\057\276\327\154\233\242\312\175$$ \155\046\311\125\325\317\303\171\122\010\011\231\007\044\055\144 \045\153\246\041\151\233\152\335\164\115\153\227\172\101\275\253 \027\371\220\027\110\217\066\371\055\325\305\333\356\252\205\105 \101\372\315\072\105\261\150\346\066\114\233\220\127\354\043\271 \207\010\302\304\011\361\227\206\052\050\115\342\164\300\332\304 \214\333\337\342\241\027\131\316\044\131\164\061\332\177\375\060 \155\331\334\341\152\341\374\137\002\003\001\000\001\243\202\001 \032\060\202\001\026\060\017\006\003\125\035\023\001\001\377\004 $\label{eq:condition} $$ \005\060\003\001\001\377\060\016\006\003\125\035\017\001\001\377$ \004\004\003\002\001\006\060\035\006\003\125\035\016\004\026\004 \024\030\207\126\340\156\167\356\044\065\074\116\163\232\037\326 $\label{eq:condition} $$ 341\342\171\176\053\060\037\006\003\125\035\043\004\030\060\026$ \200\024\030\207\126\340\156\167\356\044\065\074\116\163\232\037 \326\341\342\171\176\053\060\104\006\003\125\035\040\004\075\060 \073\060\071\006\004\125\035\040\000\060\061\060\057\006\010\053 \006\001\005\005\007\002\001\026\043\150\164\164\160\163\072\057 $\label{eq:condition} $$ \057\167\167\167\056\143\145\162\164\151\147\156\141\056\146$$$ \162\057\141\165\164\157\162\151\164\145\163\057\060\155\006\003 \125\035\037\004\146\060\144\060\057\240\055\240\053\206\051\150 $\label{eq:condition} $$ 164\160\072\057\057\143\162\154\056\143\145\162\164\151\147$$$ \156\141\056\146\162\057\143\145\162\164\151\147\156\141\162\157 \157\164\143\141\056\143\162\154\060\061\240\057\240\055\206\053 \150\164\164\160\072\057\057\143\162\154\056\144\150\151\155\171 \157\164\151\163\056\143\157\155\057\143\145\162\164\151\147\156 \141\162\157\157\164\143\141\056\143\162\154\060\015\006\011\052 \206\110\206\367\015\001\001\013\005\000\003\202\002\001\000\224 \270\236\117\360\343\225\010\042\347\315\150\101\367\034\125\325 $\label{eq:condition} $$ 174\000\342\055\072\211\135\150\070\057\121\042\013\112\215\313$ $\label{eq:condition} $$ \frac{351}{273}\frac{135}{076}\frac{273}{134}\frac{075}{261}\frac{376}{344}\frac{123}{125}\frac{317}{241} $$$ \220\033\002\035\137\146\106\011\063\050\341\015\044\227\160\323 \020\037\352\144\127\226\273\135\332\347\304\214\117\114\144\106 $\label{eq:condition} $$ \035\134\207\343\131\336\102\321\233\250\176\246\211\335\217\034$ \311\060\202\355\073\234\315\300\351\031\340\152\330\002\165\067 $\label{eq:condition} $$ \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 $\\ \\002\\247\\274\\104\\352\\364\\111\\235\\361\\124\\130\\371\\140\\257\\332\\030$ $\label{eq:condition} $$ \244\057\050\105\334\172\240\210\206\135\363\073\347\377\051\065$$ \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 $\label{eq:condition} $$ \051\334\210\026\044\231\074\215\046\230\266\133\267\314\316\267 $$$ \067\007\375\046\331\230\205\044\377\131\043\003\232\355\235\235 \250\344\136\070\316\327\122\015\157\322\077\155\261\005\153\111 \316\212\221\106\163\364\366\057\360\250\163\167\016\145\254\241 \215\146\122\151\176\113\150\014\307\036\067\047\203\245\214\307 \002\344\024\315\111\001\260\163\263\375\306\220\072\157\322\154 \355\073\356\354\221\276\242\103\135\213\000\112\146\045\104\160 \336\100\017\370\174\025\367\242\316\074\327\136\023\214\201\027 $\label{eq:condition} $$ \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
\label{eq:condition} $$ \022\060\020\006\003\125\004\012\014\011\104\150\151\155\171\157
\164\151\163\061\034\060\032\006\003\125\004\013\014\023\060\060
\060\062\040\064\070\061\064\066\063\060\070\061\060\060\063
\066\061\031\060\027\006\003\125\004\003\014\020\103\145\162\164
\151\147\156\141\040\122\157\157\164\040\103\101
END
CKA SERIAL NUMBER MULTILINE OCTAL
\002\021\000\312\351\033\211\361\125\003\015\243\346\101\155\304
\343\246\341
END
CKA_TRUST_SERVER_AUTH
CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA TRUST EMAIL PROTECTION CK TRUST CKT NSS TRUSTED DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA TRUST STEP UP APPROVED CK BBOOL CK FALSE
# Certificate "emSign Root CA - G1"
# Issuer: CN=emSign Root CA - G1,O=eMudhra Technologies Limited,OU=emSign PKI,C=IN
# Serial Number:31:f5:e4:62:0c:6c:58:ed:d6:d8
# Subject: CN=emSign Root CA - G1,O=eMudhra Technologies Limited,OU=emSign PKI,C=IN
# Not Valid Before: Sun Feb 18 18:30:00 2018
# Not Valid After: Wed Feb 18 18:30:00 2043
# Fingerprint (SHA-256):
40:F6:AF:03:46:A9:9A:A1:CD:1D:55:5A:4E:9C:CE:62:C7:F9:63:46:03:EE:40:66:15:83:3D:C8:C8:D0:03:67
# Fingerprint (SHA1): 8A:C7:AD:8F:73:AC:4E:C1:B5:75:4D:A5:40:F4:FC:CF:7C:B5:8E:8C
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA MODIFIABLE CK BBOOL CK FALSE
CKA LABEL UTF8
"emSign Root CA - G1"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\label{eq:condition} $$ \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

 $\label{eq:condition} $$ \000147\061\013\060\011\006\003\125\004\006\023\002\111\116\061 $$ \023\060\021\006\003\125\004\013\023\012\145\155\123\151\147\156 $$ \040\120\13\111\061\045\060\043\006\003\125\004\012\023\034\145 $$ \115\165\144\150\162\141\040\124\145\143\150\156\157\154\157\147 $$ \151\145\163\040\114\151\155\123\151\147\156\040\122\157\157 $$ \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

 $\label{eq:condition} $$ \060\202\003\224\060\202\002\174\240\003\002\001\002\002\012\061 $$$ \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 \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 $\label{eq:condition} $$ \061\060\036\027\015\061\070\060\062\061\070\061\070\063\060\060$ \060\132\027\015\064\063\060\062\061\070\061\070\063\060\060 \132\060\147\061\013\060\011\006\003\125\004\006\023\002\111\116 \061\023\060\021\006\003\125\004\013\023\012\145\155\123\151\147 \156\040\120\113\111\061\045\060\043\006\003\125\004\012\023\034 \145\115\165\144\150\162\141\040\124\145\143\150\156\157\154\157 \147\151\145\163\040\114\151\155\151\164\145\144\061\034\060\032 \006\003\125\004\003\023\023\145\155\123\151\147\156\040\122\157 $\label{eq:condition} $$ \frac{157}{164}040\\103\\101\\040\\055\\040\\107\\061\\060\\202\\001\\042\\060\\015$ \006\011\052\206\110\206\367\015\001\001\001\005\000\003\202\001 \017\000\060\202\001\012\002\202\001\001\000\223\113\273\351\146 \212\356\235\133\325\064\223\320\033\036\303\347\236\270\144\063 \177\143\170\150\264\315\056\161\165\327\233\040\306\115\051\274 \266\150\140\212\367\041\232\126\065\132\363\166\275\330\315\232 \377\223\126\113\245\131\006\241\223\064\051\335\026\064\165\116 \362\201\264\307\226\116\255\031\025\122\112\376\074\160\165\160 \315\257\053\253\025\232\063\074\252\263\213\252\315\103\375\365 \352\160\377\355\317\021\073\224\316\116\062\026\323\043\100\052 \167\263\257\074\001\054\154\355\231\054\213\331\116\151\230\262 \367\217\101\260\062\170\141\326\015\137\303\372\242\100\222\035 \134\027\346\160\076\065\347\242\267\302\142\342\253\244\070\114 \265\071\065\157\352\003\151\372\072\124\150\205\155\326\362\057 $\label{eq:condition} $$ 103\125\036\221\015\016\330\325\152\244\226\321\023\074\054\170 $$$ \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 $\label{eq:condition} $$357\015\206\236\260\343\335\251\271\361\041\027\177\076\374\360$$ \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 $\label{eq:condition} $$ \003\001\001\377\060\015\006\011\052\206\110\206\367\015\001\001$ \013\005\000\003\202\001\001\000\131\377\362\214\365\207\175\161 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \030\326\010\003\011\106\356\140\340\176\266\304\111\004\121\175$ $\label{eq:condition} $$ 160\140\274\252\262\377\171\162\172\246\035\075\137\052\370\312$$ \342\375\071\267\107\271\353\176\337\004\043\257\372\234\006\007 \351\373\143\223\200\100\265\306\154\012\061\050\316\014\237\317 \263\043\065\200\101\215\154\304\067\173\201\057\200\241\100\102 $\label{eq:condition} $$ \205\351\331\070\215\350\241\123\315\001\277\151\350\132\006\362 $$$ \105\013\220\372\256\341\277\235\362\256\127\074\245\256\262\126 \364\213\145\100\351\375\061\201\054\364\071\011\330\356\153\247 \264\246\035\025\245\230\367\001\201\330\205\175\363\121\134\161 \210\336\272\314\037\200\176\112 **END** CKA_NSS_MOZILLA_CA_POLICY CK BBOOL CK TRUE CKA NSS SERVER DISTRUST AFTER CK BBOOL CK FALSE ${\tt CKA_NSS_EMAIL_DISTRUST_AFTER\ CK_BBOOL\ CK_FALSE}$ Trust for "emSign Root CA - G1" # Issuer: CN=emSign Root CA - G1,O=eMudhra Technologies Limited,OU=emSign PKI,C=IN # Serial Number:31:f5:e4:62:0c:6c:58:ed:d6:d8 # Subject: CN=emSign Root CA - G1,O=eMudhra Technologies Limited,OU=emSign PKI,C=IN # Not Valid Before: Sun Feb 18 18:30:00 2018 # Not Valid After: Wed Feb 18 18:30:00 2043 # Fingerprint (SHA-256): 40:F6:AF:03:46:A9:9A:A1:CD:1D:55:5A:4E:9C:CE:62:C7:F9:63:46:03:EE:40:66:15:83:3D:C8:C8:D0:03:67 # Fingerprint (SHA1): 8A:C7:AD:8F:73:AC:4E:C1:B5:75:4D:A5:40:F4:FC:CF:7C:B5:8E:8C CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST CKA_TOKEN CK_BBOOL CK_TRUE CKA_PRIVATE CK_BBOOL CK_FALSE CKA_MODIFIABLE CK_BBOOL CK_FALSE CKA_LABEL UTF8 "emSign Root CA - G1" CKA_CERT_SHA1_HASH MULTILINE_OCTAL $\label{eq:condition} $$ \frac{212\307\255\217\163\254\116\301\265\165\115\245\100\364\374\317}{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
\\ \langle 023 \rangle 060 \rangle 021 \rangle 006 \rangle 003 \rangle 125 \rangle 004 \rangle 013 \rangle 023 \rangle 012 \rangle 145 \rangle 155 \rangle 123 \rangle 151 \rangle 147 \rangle 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
\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

 $\label{eq:condition} $$ \000153\001\006\003\125\004\0006\023\002\111\116\061 $$ \023\006\021\006\003\125\004\013\023\012\145\155\123\151\147\156 $$ \040\120\13\111\061\045\060\043\006\003\125\004\012\023\034\145 $$ \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 $\label{eq:condition} $$ \366\007\251\150\160\016\332\213\204\060\012\006\010\052\206\110 $$$ \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 \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 $\label{eq:condition} $$ \006\003\003\003\125\004\003\023\027\145\155\123\151\147 $$$ \156\040\105\103\103\040\122\157\157\164\040\103\101\040\055\040 \107\063\060\036\027\015\061\070\060\062\061\070\061\070\063\060 \060\060\132\027\015\064\063\060\062\061\070\061\070\063\060\060 \060\132\060\153\061\013\060\011\006\003\125\004\006\023\002\111 \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 \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 $\label{eq:condition} $$ \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

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

 $\\ \\ 040\\ \\ 120\\ \\ 113\\ \\ 111\\ \\ 061\\ \\ 045\\ \\ 060\\ \\ 043\\ \\ 006\\ \\ 003\\ \\ 125\\ \\ 004\\ \\ 012\\ \\ 023\\ \\ 034\\ \\ 145$

\151\145\163\040\114\151\155\151\164\145\144\061\040\060\036\006

 $\\ \backslash 003\backslash 125\backslash 004\backslash 003\backslash 023\backslash 027\backslash 145\backslash 155\backslash 123\backslash 151\backslash 147\backslash 156\backslash 040\backslash 105\backslash 103\backslash 103$

\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

 ${\tt CKA_TRUST_EMAIL_PROTECTION\ CK_TRUST\ CKT_NSS_TRUSTED_DELEGATOR}$

CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

```
#
# 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
\label{eq:condition} $$ \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
\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 \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 $\label{eq:condition} $$ \003\125\004\003\023\023\145\155\123\151\147\156\040\122\157\157$ \164\040\103\101\040\055\040\103\061\060\202\001\042\060\015\006 \011\052\206\110\206\367\015\001\001\001\005\000\003\202\001\017 $\label{eq:condition} $$ \000\060\202\001\012\002\202\001\001\000\317\353\251\271\361\231 $$$ \005\314\330\050\041\112\363\163\064\121\204\126\020\365\240\117 $\label{eq:condition} $$ \054\022\343\372\023\232\047\320\317\371\171\032\164\137\035\171$ $\label{eq:condition} $$ \071\374\133\370\160\216\340\222\122\367\344\045\371\124\203\331 $$$ \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 $\label{eq:condition} $\246\266\221\260\117\254\176\025\043\226\366\077\360\040\064\026$ \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 $\label{eq:condition} $$ \frac{153}051\\160\\103\\240\\151\\013\\344\\271\\017\\002\\003\\001\\000\\001\\243$ \102\060\100\060\035\006\003\125\035\016\004\026\004\024\376\241 \340\160\036\052\003\071\122\132\102\276\134\221\205\172\030\252 $\label{eq:condition} $$ \frac{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 $\label{eq:condition} $$ \273\301\170\017\254\234\123\257\127\275\150\214\075\151\063\360$$ $\label{eq:condition} $\243\240\043\143\073\144\147\042\104\255\325\161\313\126\052\170$$ \222\243\117\022\061\066\066\342\336\376\000\304\243\140\017\047 \255\240\260\212\265\066\172\122\241\275\047\364\040\047\142\350 \115\224\044\023\344\012\004\351\074\253\056\310\103\011\112\306 \141\004\345\111\064\176\323\304\310\365\017\300\252\351\272\124 \136\363\143\053\117\117\120\324\376\271\173\231\214\075\300\056 \274\002\053\323\304\100\344\212\007\061\036\233\316\046\231\023 \373\021\352\232\042\014\021\031\307\136\033\201\120\060\310\226 $\label{eq:condition} $$ \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

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\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

 $\label{eq:cond_cond} $$ \040\120\113\111\061\024\060\022\006\003\125\004\012\023\013\145$$

\125\004\003\023\027\145\155\123\151\147\156\040\105\103\103\040

 $\label{eq:condition} $$ \frac{122\\157\\157\\164\\040\\103\\101\\040\\055\\040\\103\\063$

END

CKA_ID

UTF8 "0"

CKA ISSUER MULTILINE OCTAL

 $\label{lem:condition} $$ \0011\006\003\125\004\006\023\002\125\123\061 $$ \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

\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 $\label{thm:local_equation} $$ 156\040\120\113\111\061\024\060\022\006\003\125\004\012\023\013$ \145\115\165\144\150\162\141\040\111\156\143\061\040\060\036\006 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \004\026\004\024\373\132\110\320\200\040\100\362\250\351\000\007 $$$ \151\031\167\247\346\303\364\317\060\016\006\003\125\035\017\001 \001\377\004\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 $\label{eq:condition} $$ \002\211\375\266\114\142\272\103\116\023\204\162\265\256\335\034$$ \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 $\label{eq:condition} $$ \024\144\344\174\226\203\021\234\260\321\132\141\113\246\017\111 $$ \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

\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
\label{eq:condition} $$ \076\123\263\243\201\356\327\020\370\323\260\035\027\222\365\325 $$
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
\122\157\157\164\040\103\101\040\055\040\103\063
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\label{eq:condition} $$ \002\012\173\161\266\202\126\270\022\174\234\250$
END
CKA TRUST SERVER AUTH CK TRUST CKT NSS TRUSTED DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA TRUST STEP UP APPROVED CK BBOOL CK FALSE
# Certificate "Hongkong Post Root CA 3"
# Issuer: CN=Hongkong Post Root CA 3,O=Hongkong Post,L=Hong Kong,ST=Hong Kong,C=HK
# Serial Number:08:16:5f:8a:4c:a5:ec:00:c9:93:40:df:c4:c6:ae:23:b8:1c:5a:a4
# Subject: CN=Hongkong Post Root CA 3,O=Hongkong Post,L=Hong Kong,ST=Hong Kong,C=HK
# Not Valid Before: Sat Jun 03 02:29:46 2017
# Not Valid After: Tue Jun 03 02:29:46 2042
# Fingerprint (SHA-256):
5A:2F:C0:3F:0C:83:B0:90:BB:FA:40:60:4B:09:88:44:6C:76:36:18:3D:F9:84:6E:17:10:1A:44:7F:B8:EF:D6
Fingerprint (SHA1): 58:A2:D0:EC:20:52:81:5B:C1:F3:F8:64:02:24:4E:C2:8E:02:4B:02
CKA CLASS CK OBJECT CLASS CKO CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Hongkong Post Root CA 3"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\label{eq:condition} $$ \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

 $\label{eq:condition} $$ \000157\061\013\060\011\006\003\125\004\000\023\002\110\113\061\022\060\020\006\003\125\004\000\023\011\110\157\156\147\040\113\157\156\147\061\026\060\024\006\003\125\0004\012\023\015\110\157\156\147\153\157\156\147\040\120\157\156\147\153\157\156\147\040\120\157\156\147\153\157\156\147\040\120\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

 $\label{eq:condition} $$ \060\202\005\317\060\202\003\267\240\003\002\001\002\002\002\002\001$ \026\137\212\114\245\354\000\311\223\100\337\304\306\256\043\270 \034\132\244\060\015\006\011\052\206\110\206\367\015\001\001\013 $\label{eq:condition} $$ \005\000\060\157\061\013\060\011\006\003\125\004\006\023\002\110 $$$ \113\061\022\060\020\006\003\125\004\010\023\011\110\157\156\147 \040\113\157\156\147\061\022\060\020\006\003\125\004\007\023\011 \110\157\156\147\040\113\157\156\147\061\026\060\024\006\003\125 \004\012\023\015\110\157\156\147\153\157\156\147\040\120\157\163 $\label{eq:condition} $$ 164\061\040\060\036\006\003\125\004\003\023\027\110\157\156\147 $$$ \153\157\156\147\040\120\157\163\164\040\122\157\157\164\040\103 \101\040\063\060\036\027\015\061\067\060\066\060\063\060\062\062 \071\064\066\132\027\015\064\062\060\066\060\063\060\062\062\071 \064\066\132\060\157\061\013\060\011\006\003\125\004\006\023\002 \110\113\061\022\060\020\006\003\125\004\010\023\011\110\157\156 \147\040\113\157\156\147\061\022\060\020\006\003\125\004\007\023 \011\110\157\156\147\040\113\157\156\147\061\026\060\024\006\003 \125\004\012\023\015\110\157\156\147\153\157\156\147\040\120\157 \163\164\061\040\060\036\006\003\125\004\003\023\027\110\157\156 \147\153\157\156\147\040\120\157\163\164\040\122\157\157\164\040 $\label{eq:condition} $$ 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 $\label{eq:condition} $$ \frac{154 \cdot 063 \cdot 017 \cdot 330 \cdot 077 \cdot 050 \cdot 270 \cdot 074 \cdot 151 \cdot 001 \cdot 102 \cdot 206 \cdot 176 \cdot 151 \cdot 301 \cdot 311}{1000 \cdot 1000 \cdot 1000 \cdot 1000 \cdot 1000 \cdot 1000 \cdot 1000 \cdot 1000}$ \006\312\345\172\106\145\351\302\326\120\101\056\077\267\344\355 \154\327\277\046\001\021\242\026\051\112\153\064\006\220\354\023 \322\266\373\152\166\322\074\355\360\326\055\335\341\025\354\243 \233\057\054\311\076\053\344\151\073\377\162\045\261\066\206\133 $\label{eq:condition} $$ 307\177\153\213\125\033\112\305\040\141\075\256\313\120\341\010 $$$ $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \227\152\001\224\243\174\133\205\035\052\071\072\320\124\241\321$ \071\161\235\375\041\371\265\173\360\342\340\002\217\156\226\044 \045\054\240\036\054\250\304\211\247\357\355\231\006\057\266\012 \114\117\333\242\314\067\032\257\107\205\055\212\137\304\064\064 \114\000\375\030\223\147\023\321\067\346\110\264\213\006\305\127 \173\031\206\012\171\313\000\311\122\257\102\377\067\217\341\243 $\label{eq:condition} $$ \036\172\075\120\253\143\006\347\025\265\077\266\105\067\224\067 $$$ \261\176\362\110\303\177\305\165\376\227\215\105\217\032\247\032 \162\050\032\100\017\002\003\001\000\001\243\143\060\141\060\017 \006\003\125\035\023\001\001\377\004\005\060\003\001\001\377\060 \016\006\003\125\035\017\001\001\377\004\004\003\002\001\006\060 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ 326\071\053\160\323\134\324\240\270\037\260\000\374\305\141\060$$ \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 $\label{eq:condition} $$ \062\225\321\000\230\273\323\375\367\062\362\111\256\306\172\340 $$$ $\label{eq:condition} $$ 107\276\156\316\313\243\162\072\055\151\135\313\310\350\105\071 $$$ \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 $\label{eq:condition} $$ \037\364\115\156\264\272\027\106\374\175\375\207\201\171\152\015 $$$ $\label{eq:condition} $$ \063\017\372\057\370\024\271\200\263\135\115\252\227\341\371\344 $$$ \030\305\370\325\070\214\046\074\375\362\050\342\356\132\111\210 $\label{eq:condition} $$ \054\337\171\075\216\236\220\074\275\101\112\072\335\133\366\232 $$$ \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 $\label{eq:condition} $$ \054\026\151\223\007\376\261\105\355\273\242\125\152\260\332\265$$ \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 $\label{eq:condition} $$ \057\237\347\166\321\141\052\373\041\273\061\320\252\237\107\244$$ $\label{eq:condition} $$ \262\042\312\026\072\120\127\304\133\103\147\305\145\142\003\111 $$$ \001\353\103\331\330\370\236\255\317\261\143\016\105\364\240\132 $\label{eq:condition} $$ \054\233\055\305\246\300\255\250\107\364\047\114\070\015\056\033$$ \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

 $\label{eq:condition} $$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

 $\label{eq:condition} $$ \021\374\237\275\163\060\002\212\375\077\363\130\271\313\040\360 $$$

END

CKA_ISSUER MULTILINE_OCTAL

 $\label{eq:condition} $$ \000\157\061\013\060\011\006\003\125\004\006\023\002\110\113\061 $$$

 $\label{eq:condition} $$ \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
\\ \langle 040 \rangle 060 \rangle 036 \rangle 006 \rangle 003 \rangle 125 \rangle 004 \rangle 003 \rangle 023 \rangle 027 \rangle 110 \rangle 157 \rangle 156 \rangle 147 \rangle 153 \rangle 157 \rangle 156 \rangle 147 \rangle 157 \rangle 
\label{eq:condition} $$ \frac{156}147 \cdot 040 \cdot 120 \cdot 157 \cdot 163 \cdot 164 \cdot 040 \cdot 122 \cdot 157 \cdot 157 \cdot 164 \cdot 040 \cdot 103 \cdot 101 \cdot 040 }{157} \cdot 164 \cdot 120 \cdot 120
\063
END
CKA_SERIAL_NUMBER
 MULTILINE OCTAL
\002\024\010\026\137\212\114\245\354\000\311\223\100\337\304\306
\256\043\270\034\132\244
END
CKA TRUST SERVER AUTH CK TRUST CKT NSS TRUSTED DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA TRUST STEP UP APPROVED CK BBOOL CK FALSE
 #
# Certificate "Entrust Root Certification Authority - G4"
 # Issuer: CN=Entrust Root Certification Authority - G4,OU="(c) 2015 Entrust, Inc. - for authorized use
only",OU=See www.entrust.net/legal-terms,O="Entrust, Inc.",C=US
# Serial Number:00:d9:b5:43:7f:af:a9:39:0f:00:00:00:00:55:65:ad:58
 # Subject: CN=Entrust Root Certification Authority - G4,OU="(c) 2015 Entrust, Inc. - for authorized use
 only",OU=See www.entrust.net/legal-terms,O="Entrust, Inc.",C=US
  Not Valid Before: Wed May 27 11:11:16 2015
# Not Valid After: Sun Dec 27 11:41:16 2037
# Fingerprint (SHA-256):
DB:35:17:D1:F6:73:2A:2D:5A:B9:7C:53:3E:C7:07:79:EE:32:70:A6:2F:B4:AC:42:38:37:24:60:E6:F0:1E:88
# Fingerprint (SHA1): 14:88:4E:86:26:37:B0:26:AF:59:62:5C:40:77:EC:35:29:BA:96:01
CKA CLASS CK OBJECT CLASS CKO CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA PRIVATE CK BBOOL CK FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Entrust Root Certification Authority - G4"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\label{eq:condition} $$ \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

END

CKA SERIAL NUMBER

MULTILINE_OCTAL

\002\021\000\\331\\265\103\\177\\257\\251\\071\\017\\000\\000\\000\\000\\000\\125 \145\\255\\130

END

CKA VALUE MULTILINE OCTAL

 $\label{eq:condition} $$ \060\202\006\113\060\202\004\063\240\003\002\001\002\002\002\1\000 $$ \331\265\103\177\257\251\071\017\000\000\000\000\125\145\255\130 \060\015\006\011\052\206\110\206\367\015\001\001\013\005\000\060 \201\276\061\013\060\011\006\003\125\004\006\023\002\125\123\061 \026\060\024\006\003\125\004\012\023\015\105\156\164\162\165\163 \164\054\040\111\156\143\056\061\050\060\046\006\003\125\004\013 \023\037\123\145\145\040\167\167\167\056\145\156\164\162\165\163 \164\056\156\145\164\057\154\145\147\141\154\055\164\145\162\155 \163\061\071\060\067\006\003\125\004\013\023\060\050\143\051\040 \062\060\061\065\040\105\156\164\162\165\163\164\054\040\111\156 \143\056\040\055\040\146\157\162\040\141\165\164\150\157\162\151 $\label{eq:condition} $$ \frac{172}145\frac{040}{165}\frac{163}{145}\frac{040}{157}\frac{156}{154}\frac{171}{061}\frac{062}{060}\frac{060}{060} $$$ \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\066 \132\027\015\063\067\061\062\062\067\061\061\064\061\061\066\132 \060\201\276\061\013\060\011\006\003\125\004\006\023\002\125\123 \061\026\060\024\006\003\125\004\012\023\015\105\156\164\162\165 \163\164\054\040\111\156\143\056\061\050\060\046\006\003\125\004 \013\023\037\123\145\145\040\167\167\167\056\145\156\164\162\165

\163\164\056\156\145\164\057\154\145\147\141\154\055\164\145\162 \155\163\061\071\060\067\006\003\125\004\013\023\060\050\143\051 \040\062\060\061\065\040\105\156\164\162\165\163\164\054\040\111 \156\143\056\040\055\040\146\157\162\040\141\165\164\150\157\162 \151\172\145\144\040\165\163\145\040\157\156\154\171\061\062\060 \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 $\label{eq:condition} $$ \064\060\202\002\042\060\015\006\011\052\206\110\206\367\015\001 $$$ \001\001\005\000\003\202\002\017\000\060\202\002\012\002\202\002 $\label{eq:condition} $$ \001\000\261\354\054\102\356\342\321\060\377\245\222\107\342\055$$ \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 $\label{eq:condition} $$ \0345\054\001\306\124\257\327\252\301\020\173\322\005\132 $$$ \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 $\label{eq:condition} $$ \016\324\324\136\156\207\236\152\075\105\035\321\135\033\364\351 $$$ \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 $\label{eq:condition} $$ 301\263\057\365\155\362\373\312\241\370\051\235\106\213\263\152$ \366\346\147\007\276\054\147\012\052\037\132\262\076\127\304\323 \041\041\143\145\122\221\033\261\231\216\171\176\346\353\215\000 $\label{eq:condition} $$ \frac{331}{132} \frac{252}{352} \frac{350}{244} \frac{202}{002} \frac{107}{226} \frac{376}{133} \frac{216}{124} \frac{141}{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 $\label{eq:condition} $$ 111\002\003\001\000\001\243\102\060\100\060\017\006\003\125$$ \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 $\label{eq:condition} $$ \033\013\366\054\123\322\312\220\113\206\146\374\252\203\042\364$ \213\032\157\046\110\254\166\167\010\277\305\230\134\364\046\211 $\verb|236|173|303|271|144|062|001|177|323|303|335|130|155|354|261|253|$ \204\125\164\167\204\004\047\122\153\206\114\316\335\271\145\377 \326\306\136\237\232\020\231\113\165\152\376\152\351\227\040\344 \344\166\172\306\320\044\252\220\315\040\220\272\107\144\373\177 \007\263\123\170\265\012\142\362\163\103\316\101\053\201\152\056 \205\026\224\123\324\153\137\162\042\253\121\055\102\325\000\234 $\verb|231|277|336|273|224|073|127|375|232|365|206|313|126|073|133|210|$ \001\345\174\050\113\003\371\111\203\174\262\177\174\343\355\216 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \frac{334}037\243\134\214\241\176\233\267\236\323\126\157\146\136}{233}$$ \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 $\label{eq:condition} $$ \frac{331}{360}237 \cdot 016 \cdot 261 \cdot 200 \cdot 342 \cdot 321 \cdot 236 \cdot 021 \cdot 144 \cdot 251 \cdot 210 \cdot 021 \cdot 072 \cdot 166$ \202\345\142\302\200\330\244\203\355\223\357\174\057\220\260\062 \114\226\025\150\110\122\324\231\010\300\044\350\034\343\263\245 $\\ \langle 041 \rangle 016 \rangle 222 \rangle 300 \rangle 220 \rangle 037 \rangle 317 \rangle 040 \rangle 137 \rangle 312 \rangle 073 \rangle 070 \rangle 307 \rangle 267 \rangle 155 \rangle 072$ \363\346\104\270\016\061\153\210\216\160\353\234\027\122\250\101 \224\056\207\266\347\246\022\305\165\337\133\300\012\156\173\244 $\label{eq:condition} $\344\136\206\371\066\224\337\167\303\351\015\300\071\361\171\273$ \106\216\253\103\131\047\267\040\273\043\351\126\100\041\354\061 \075\145\252\103\362\075\337\160\104\341\272\115\046\020\073\230 $\label{eq:condition} $$ \237\363\310\216\033\070\126\041\152\121\223\323\221\312\106\332$ \211\267\075\123\203\054\010\037\213\217\123\335\377\254\037 **END** CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE # Trust for "Entrust Root Certification Authority - G4" Issuer: CN=Entrust Root Certification Authority - G4,OU="(c) 2015 Entrust, Inc. - for authorized use only",OU=See www.entrust.net/legal-terms,O="Entrust, Inc.",C=US # Serial Number:00:d9:b5:43:7f:af:a9:39:0f:00:00:00:00:55:65:ad:58 # Subject: CN=Entrust Root Certification Authority - G4,OU="(c) 2015 Entrust, Inc. - for authorized use only",OU=See www.entrust.net/legal-terms,O="Entrust, Inc.",C=US # Not Valid Before: Wed May 27 11:11:16 2015 # Not Valid After: Sun Dec 27 11:41:16 2037 # Fingerprint (SHA-256): DB:35:17:D1:F6:73:2A:2D:5A:B9:7C:53:3E:C7:07:79:EE:32:70:A6:2F:B4:AC:42:38:37:24:60:E6:F0:1E:88 # Fingerprint (SHA1): 14:88:4E:86:26:37:B0:26:AF:59:62:5C:40:77:EC:35:29:BA:96:01

```
CKA CLASS CK OBJECT CLASS CKO NSS TRUST
CKA TOKEN CK BBOOL CK TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Entrust Root Certification Authority - G4"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\024\210\116\206\046\067\260\046\257\131\142\134\100\167\354\065
\051\272\226\001
END
CKA CERT MD5 HASH
 MULTILINE_OCTAL
\211\123\361\203\043\267\174\216\005\361\214\161\070\116\037\210
END
CKA_ISSUER MULTILINE_OCTAL
\label{eq:condition} $$ \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
\\ \langle 002 \rangle \langle 021 \rangle \langle 000 \rangle \langle 331 \rangle \langle 265 \rangle \langle 103 \rangle \langle 177 \rangle \langle 257 \rangle \langle 251 \rangle \langle 071 \rangle \langle 017 \rangle \langle 000 \rangle \langle 000 \rangle \langle 000 \rangle \langle 125 \rangle \langle 017 \rangle \langle 
\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

 $\label{eq:condition} $$ \060\145\061\013\060\011\006\003\125\004\006\023\002\125\123\061 $$ \036\060\034\006\003\125\004\012\023\025\115\151\143\162\157\163 $$ \157\146\164\040\103\125\004\003\023\055\115\151\143\162\157\163 $$ \157\146\164\040\105\103\103\040\122\157\157\164\040\103\145\162 $$ \164\151\143\141\164\145\040\101\165\164\150\157\162\151 $$ \164\171\040\062\060\061\067$$

END

CKA ID UTF8 "0"

CKA ISSUER MULTILINE OCTAL

 $\label{eq:condition} $$ \060\145\061\013\060\011\006\003\125\004\006\023\002\125\123\061 $$ \036\060\034\006\003\125\004\012\023\025\115\151\143\162\157\163 $$ \157\146\164\040\103\125\004\003\023\055\115\151\143\162\157\163 $$ \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

 $\label{eq:condition} $$ \end{align} $$ \end{align$

\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 $\label{eq:condition} $$ 0.04\324\274\075\002\102\165\101\023\043\315\200\004\206\002\121 $$$ \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 $\label{eq:condition} $$ \004\003\002\001\206\060\017\006\003\125\035\023\001\001\377\004$ \005\060\003\001\001\377\060\035\006\003\125\035\016\004\026\004 $\label{eq:condition} $$ \024\310\313\231\162\160\122\014\370\346\276\262\004\127\051\052$ \317\102\020\355\065\060\020\006\011\053\006\001\004\001\202\067 \025\001\004\003\002\001\000\060\012\006\010\052\206\110\316\075 $\label{eq:condition} $$ \004\003\003\150\000\060\145\002\060\130\362\115\352\014\371 $$$ \137\136\356\140\051\313\072\362\333\326\062\204\031\077\174\325 \057\302\261\314\223\256\120\273\011\062\306\306\355\176\311\066 \224\022\344\150\205\006\242\033\320\057\002\061\000\231\351\026 \264\016\372\126\110\324\244\060\026\221\170\333\124\214\145\001 $\label{eq:condition} $$ \212\347\120\146\302\061\267\071\272\270\032\042\007\116\374\153$$ \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

 ${\tt CKA_CLASS\ CK_OBJECT_CLASS\ CKO_NSS_TRUST}$

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

 $\ \ \, \backslash 356 \backslash 304 \backslash 303 \backslash 305$

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
\\ \backslash 066 \backslash 060 \backslash 064 \backslash 006 \backslash 003 \backslash 125 \backslash 004 \backslash 003 \backslash 023 \backslash 055 \backslash 115 \backslash 151 \backslash 143 \backslash 162 \backslash 157 \backslash 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
\label{eq:condition} $$ \002\020\146\362\075\257\207\336\213\261\112\352\014\127\061\001 $$
\302\354
END
CKA TRUST SERVER AUTH CK TRUST CKT NSS TRUSTED DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA TRUST STEP UP APPROVED CK BBOOL CK FALSE
# Certificate "Microsoft RSA Root Certificate Authority 2017"
# Issuer: CN=Microsoft RSA Root Certificate Authority 2017,O=Microsoft Corporation,C=US
# Serial Number:1e:d3:97:09:5f:d8:b4:b3:47:70:1e:aa:be:7f:45:b3
# Subject: CN=Microsoft RSA Root Certificate Authority 2017,O=Microsoft Corporation,C=US
# Not Valid Before: Wed Dec 18 22:51:22 2019
# Not Valid After: Fri Jul 18 23:00:23 2042
# Fingerprint (SHA-256):
C7:41:F7:0F:4B:2A:8D:88:BF:2E:71:C1:41:22:EF:53:EF:10:EB:A0:CF:A5:E6:4C:FA:20:F4:18:85:30:73:E0
Fingerprint (SHA1): 73:A5:E6:4A:3B:FF:83:16:FF:0E:DC:CC:61:8A:90:6E:4E:AE:4D:74
CKA CLASS CK OBJECT CLASS CKO CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Microsoft RSA Root Certificate Authority 2017"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\label{eq:condition} $$ \060\145\061\013\060\011\006\003\125\004\006\023\002\125\123\061 $$
\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

 $\label{eq:condition} $$ \060\145\061\013\060\011\006\003\125\004\006\023\002\125\123\061 $$ \036\060\034\006\003\125\004\012\023\025\115\151\143\162\157\163 $$ \157\146\164\040\103\125\004\003\023\055\115\151\143\162\157\163 $$ \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\003\036 \323\227\011\137\330\264\263\107\160\036\252\276\177\105\263\060 $\label{eq:condition} $$ \015\006\011\052\206\110\206\367\015\001\001\014\005\000\060\145$$ \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 $\label{eq:local_continuity} $$ \frac{151}143\\162\\157\\163\\157\\146\\164\\040\\103\\157\\162\\160\\157\\162\\141$ \164\151\157\156\061\066\060\064\006\003\125\004\003\023\055\115 \151\143\162\157\163\157\146\164\040\122\123\101\040\122\157\157 \164\040\103\145\162\164\151\146\151\143\141\164\145\040\101\165 \164\150\157\162\151\164\171\040\062\060\061\067\060\202\002\042 \060\015\006\011\052\206\110\206\367\015\001\001\001\005\000\003 \202\002\017\000\060\202\002\012\002\202\002\001\000\312\133\276 \224\063\214\051\225\221\026\012\225\275\107\142\301\211\363\231 \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 $\label{eq:condition} $$ 141\244\122\060\271\172\040\117\157\017\070\123\313\063\014\023$ \053\217\326\232\275\052\310\055\261\034\175\113\121\312\107\321 \110\047\162\135\207\353\325\105\346\110\145\235\257\122\220\272 $\label{eq:condition} $$ \frac{3}{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 $\label{eq:condition} $$ 374\070\301\330\341\173\271\343\343\224\341\106\151\313\016\012$ \120\153\023\272\254\017\067\132\267\022\265\220\201\036\126\256 \127\042\206\331\311\322\321\327\121\343\253\073\306\125\375\036 $\label{eq:condition} $$ \016\323\164\012\321\332\252\352\151\270\227\050\217\110\304\007 $$$ \370\122\103\072\364\312\125\065\054\260\246\152\300\234\371\362 \201\341\022\152\300\105\331\147\263\316\377\043\242\211\012\124 $\label{eq:condition} $\324\024\271\052\250\327\354\371\253\315\045\130\062\171\217\220$$ \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 $\\ \\004\\003\\002\\001\\206\\006\\000\\17\\006\\003\\125\\035\\023\\001\\001\\377$ \004\005\060\003\001\001\377\060\035\006\003\125\035\016\004\026 $\label{eq:condition} $$ \004\024\011\313\131\177\206\262\160\217\032\303\071\343\300\331 $$$ \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 $\label{eq:condition} $$ \250\227\126\256\145\103\261\217\000\233\122\315\125\315\123\071 $$$ \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 $\label{eq:condition} $$ \frac{112\\165\\040\\235\\225\\017\\344\\326\\334\\003\\361\\131\\030\\350\\107\\211$ $\label{eq:condition} $$ \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 $\label{eq:condition} $$ 146\171\365\072\306\246\226\063\376\123\222\310\106\261\021\221$

 $\label{eq:control_loss} $$ \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

 $\label{eq:condition} $$ \frac{346}112\073\377\203\026\377\016\334\314\141\212\220\156\116\256\115\164$$

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

 $\label{eq:condition} $$ \020\377\000\377\311\311\370\307\172\300\356\065\216\311\017\107$

END

CKA_ISSUER MULTILINE_OCTAL

 $\label{eq:condition} $$ \060\145\061\013\060\011\006\003\125\004\006\023\002\125\123\061 $$ \036\060\034\006\003\125\004\012\023\025\115\151\143\162\157\163 $$ \157\146\164\040\103\125\004\003\023\055\115\151\143\162\157\163 $$ \157\146\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
\label{eq:condition} $$ \002\020\036\323\227\011\137\330\264\263\107\160\036\252\276\177 
\105\263
END
CKA_TRUST_SERVER_AUTH
 CK TRUST CKT NSS TRUSTED DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA TRUST STEP UP APPROVED CK BBOOL CK FALSE
#
# Certificate "e-Szigno Root CA 2017"
# Issuer: CN=e-Szigno Root CA 2017,OID.2.5.4.97=VATHU-23584497,O=Microsec Ltd.,L=Budapest,C=HU
# Serial Number:01:54:48:ef:21:fd:97:59:0d:f5:04:0a
# Subject: CN=e-Szigno Root CA 2017,OID.2.5.4.97=VATHU-23584497,O=Microsec Ltd.,L=Budapest,C=HU
# Not Valid Before: Tue Aug 22 12:07:06 2017
# Not Valid After: Fri Aug 22 12:07:06 2042
# Fingerprint (SHA-256):
BE:B0:0B:30:83:9B:9B:C3:2C:32:E4:44:79:05:95:06:41:F2:64:21:B1:5E:D0:89:19:8B:51:8A:E2:EA:1B:99
# Fingerprint (SHA1): 89:D4:83:03:4F:9E:9A:48:80:5F:72:37:D4:A9:A6:EF:CB:7C:1F:D1
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA TOKEN CK BBOOL CK TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA MODIFIABLE CK BBOOL
 CK FALSE
CKA_LABEL UTF8 "e-Szigno Root CA 2017"
CKA CERTIFICATE TYPE CK CERTIFICATE TYPE CKC X 509
CKA SUBJECT MULTILINE OCTAL
\label{eq:condition} $$ \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
\label{eq:local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_local_
\060\061\067
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
```

 $\label{eq:condition} $$ \001\001\006\003\125\004\0006\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\066\0024\006\003\125\004\012\014\015\115\115\1143\162\157\163\145\143\040\114\164\144\056\061\027\060\025\006\003\125\004\141\014\016\126\101\124\110\125\055\062\063\065\070\064\064\071\067\061\036\060\034\006\003\125\004\003\014\025\145\055\123\172\151\147\156\157\040\122\157\157\164\040\103\101\040\062$

\060\061\067

END

CKA SERIAL NUMBER

MULTILINE OCTAL

\002\014\001\124\110\357\041\375\227\131\015\365\004\012

END

CKA VALUE MULTILINE OCTAL

\060\202\002\100\060\202\001\345\240\003\002\001\002\002\014\001 \124\110\357\041\375\227\131\015\365\004\012\060\012\006\010\052 \206\110\316\075\004\003\002\060\161\061\013\060\011\006\003\125 \004\006\023\002\110\125\061\021\060\017\006\003\125\004\007\014 $\label{eq:condition} $$ \010\102\165\144\141\160\145\163\164\061\026\060\024\006\003\125$$ \004\012\014\015\115\151\143\162\157\163\145\143\040\114\164\144 $\label{eq:condition} $$ \056\061\027\060\025\006\003\125\004\141\014\016\126\101\124\110 $$$ \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 $\label{eq:condition} $$ \006\003\125\004\006\023\002\110\125\061\021\060\017\006\003\125$ \004\007\014\010\102\165\144\141\160\145\163\164\061\026\060\024 \006\003\125\004\012\014\015\115\151\143\162\157\163\145\143\040 $\label{eq:condition} $$ \frac{114\\164\\144\\056\\061\\027\\060\\025\\006\\003\\125\\004\\141\\014\\016\\126$ \101\124\110\125\055\062\063\065\070\064\064\071\067\061\036\060 \034\006\003\125\004\003\014\025\145\055\123\172\151\147\156\157 \040\122\157\157\164\040\103\101\040\062\060\061\067\060\131\060 \023\006\007\052\206\110\316\075\002\001\006\010\052\206\110\316 \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 $\label{eq:condition} $$ \0.052\206\110\316\0.075\0.04\0.03\0.02\0.03\111\0.00\0.60\1.06\0.02\0.41 $$$ $\label{eq:condition} $$ \000\265\127\335\327\212\125\013\066\341\206\104\372\324\331\150 $$$ \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

```
# 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
\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
\\ \begin{tabular}{l} $\langle 064 | 071 | 067 | 061 | 036 | 060 | 034 | 006 | 003 | 125 | 004 | 003 | 014 | 025 | 145 | 055 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 | 056 
\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

 $\label{eq:condition} $$ \0011\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

 $\label{eq:condition} $$ \0011\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\0004\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 \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 $\label{eq:condition} $$ \060\062\066\066\060\071\062\067\063\065\132\027\015\064\062\060 $$$ \062\060\066\060\071\062\067\063\065\132\060\101\061\013\060\011 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ 162\227\077\043\131\233\311\042\204\301\007\117\314\177\342\127$ \312\022\160\273\246\145\363\151\165\143\275\225\373\033\227\315 \344\250\257\366\321\116\250\331\212\161\044\315\066\075\274\226 \304\361\154\251\256\345\317\015\156\050\015\260\016\265\312\121 \173\170\024\303\040\057\177\373\024\125\341\021\231\375\325\012 \241\236\002\343\142\137\353\065\113\054\270\162\350\076\075\117 \254\054\273\056\206\342\243\166\217\345\223\052\317\245\253\310 \134\215\113\006\377\022\106\254\170\313\024\007\065\340\251\337 \213\351\257\025\117\026\211\133\275\366\215\306\131\256\210\205 \016\301\211\353\037\147\305\105\216\377\155\067\066\053\170\146 \203\221\121\053\075\377\121\167\166\142\241\354\147\076\076\201 $\label{eq:condition} $$ \203\340\126\251\120\037\037\172\231\253\143\277\204\027\167\361 $$$ \015\073\337\367\234\141\263\065\230\212\072\262\354\074\032\067 $\label{eq:condition} $$ \077\176\217\222\317\331\022\024\144\332\020\002\025\101\377\117 $$$ \304\353\034\243\311\372\231\367\106\351\341\030\331\261\270\062 \055\313\024\014\120\330\203\145\203\356\271\134\317\313\005\132 \114\372\031\227\153\326\135\023\323\302\134\124\274\062\163\240 \170\365\361\155\036\313\237\245\246\237\042\334\321\121\236\202 \171\144\140\051\023\076\243\375\117\162\152\253\342\324\345\270 $\\ \\ 044\\125\\054\\104\\113\\212\\210\\104\\234\\312\\204\\323\\052\\073\\002\\003$ \001\000\001\243\102\060\100\060\017\006\003\125\035\023\001\001 \377\004\005\060\003\001\001\377\060\016\006\003\125\035\017\001 \001\377\004\004\003\002\001\006\060\035\006\003\125\035\016\004 \026\004\024\202\041\055\146\306\327\240\340\025\353\316\114\011 \167\304\140\236\124\156\003\060\015\006\011\052\206\110\206\367 \015\001\001\013\005\000\003\202\002\001\000\140\336\032\270\347 \362\140\202\325\003\063\201\313\006\212\361\042\111\351\350\352 \221\177\306\063\136\150\031\003\206\073\103\001\317\007\160\344 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \frac{37}{366}161\frac{257}{234}013\frac{321}{012}070\frac{371}{006}042\frac{203}{123}045$ \014\374\121\304\346\276\342\071\225\013\044\255\257\321\225\344 \226\327\164\144\153\161\116\002\074\252\205\363\040\243\103\071 \166\133\154\120\376\232\234\024\036\145\024\212\025\275\243\202 \105\132\111\126\152\322\234\261\143\062\345\141\340\123\042\016 \247\012\111\352\313\176\037\250\342\142\200\366\020\105\122\230 \006\030\336\245\315\057\177\252\324\351\076\010\162\354\043\003 $\\ \\002\\074\\246\\252\\330\\274\\147\\164\\075\\024\\027\\373\\124\\113\\027\\343$ $\label{eq:condition} $$ 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 $\label{eq:condition} $$ \076\345\332\114\176\014\064\311\371\137\266\263\050\121\247\247$ $\label{eq:condition} $$ \053\252\111\372\215\145\051\116\343\153\023\247\224\243\055\121 $$$ \155\170\014\104\313\337\336\010\157\316\243\144\253\323\225\204 \324\271\122\124\162\173\226\045\314\274\151\343\110\156\015\320 \307\235\047\232\252\370\023\222\335\036\337\143\237\065\251\026 $\label{eq:condition} $$ \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

 $\label{eq:condition} $$ \046\371\223\264\355\075\050\047\260\271\113\247\351\025\035\243 $$$

\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

```
CKA ISSUER MULTILINE OCTAL
\060\101\061\013\060\011\006\003\125\004\006\023\002\122\117\061
\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
\label{eq:condition} $$ \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
```

END

UTF8 "0"

CKA ISSUER MULTILINE OCTAL

 $\label{eq:condition} $$ \001\210\061\013\060\011\006\003\125\004\006\023\002\125\123\061\021\060\017\006\003\125\004\010\111\154\154\151\156\157\151\163\061\020\060\016\006\003\125\0004\007\014\0007\103\150\151\143\141\147\157\061\041\060\037\006\003\125\0004\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\125\004\003\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\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 $\label{eq:condition} $$ \206\110\206\367\015\001\001\013\005\000\060\201\210\061\013\060 $$$ \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 $\\ \\016\\ \\006\\ \\003\\ \\125\\ \\004\\ \\007\\ \\0014\\ \\007\\ \\103\\ \\150\\ \\151\\ \\143\\ \\141\\ \\147\\ \\157\\ \\061$ \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 \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 \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 $\label{eq:condition} $$ \0.060\202\0.042\0.060\0.15\0.006\0.11\0.52\2.06\1.10\2.06\3.67\0.15\0.01\0.01$ \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 $\\ \langle 046 \rangle 245 \rangle 376 \rangle 072 \rangle 302 \rangle 040 \rangle 156 \rangle 273 \rangle 370 \rangle 026 \rangle 216 \rangle 315 \rangle 014 \rangle 251 \rangle 264 \rangle 033$ \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 $\label{eq:condition} $$ 106\334\356\315\151\342\115\217\207\050\116\064\013\076\317\024 $$$ \331\273\335\266\120\232\255\167\324\031\326\332\032\210\310\116 $\label{eq:condition} $$ \033\047\165\330\262\010\361\256\203\060\271\021\016\315\207\360$$$ $\label{eq:condition} $$ \204\215\025\162\174\241\357\314\362\210\141\272\364\151\273\014$$$ \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 \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 $\label{eq:condition} $$ \035\016\004\026\004\024\231\340\031\147\015\142\333\166\263\332 $$$ $\label{eq:condition} $$ \075\270\133\350\375\102\322\061\016\207\060\016\006\003\125\035 $$$ \017\001\001\377\004\004\003\002\001\006\060\015\006\011\052\206 $\label{eq:condition} $$ \frac{110}{206}\frac{367}{015}\frac{001}{001}\frac{003}{005}\frac{000}{003}\frac{202}{002}\frac{001}{000}\frac{230}{163} $$$ \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 $\label{eq:condition} $$ \052\241\250\273\074\135\371\243\010\013\021\014\361\077\055\020 $$$ \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 $\label{eq:condition} $$ \061\240\246\377\070\335\317\040\117\351\130\126\072\147\303\321 $$$

\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 $\label{eq:condition} $$ \236\227\336\363\246\171\152\211\161\117\113\047\027\110\376\354$$ $\label{eq:condition} $$ 364\120\017\117\111\175\314\105\343\275\172\100\305\101\334\141 $$$ \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 $\label{eq:condition} $$ \020\100\276\217\142\143\203\251\234\202\175\055\002\351\203\060$$ \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

 $\label{eq:condition} $$ \057\217\066\117\341\130\227\104\041\131\207\245\052\232\320\151$$

\225\046\177\265

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

 $\label{eq:condition} $$ \370\034\030\055\057\272\137\155\241\154\274\307\253\221\307\016$$

END

CKA_ISSUER MULTILINE_OCTAL

 $\label{eq:condition} $$ \000\201\210\061\013\060\011\006\003\125\0004\006\023\002\125\123$

 $\label{eq:condition} $$ \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
\label{eq:condition} $$ \003\014\050\124\162\165\163\164\167\141\166\145\040\107\154\157 $$
\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
\label{eq:condition} $$ \060\201\221\061\013\060\011\006\003\125\004\006\023\002\125\123
\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

 $\label{eq:control} $$ \000\201\221\061\013\060\011\006\003\125\004\010\23\010\111\154\151\156\157\151\163\061\020\060\016\006\003\125\0004\007\023\007\103\150\151\143\141\147\157\061\041\060\037\006\003\125\0004\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\0004\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\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

 $\label{eq:condition} $$ \0.002\0.002\0.002\0.003\0.002\0.001\0.002\0.001\0.002\0.001\0.002\0.001\0.002\0.002\0.001\0.002\0.00002\0.00$ \152\137\010\077\050\134\076\121\225\337\135\060\012\006\010\052 \206\110\316\075\004\003\002\060\201\221\061\013\060\011\006\003 \023\010\111\154\154\151\156\157\151\163\061\020\060\016\006\003 \125\004\007\023\007\103\150\151\143\141\147\157\061\041\060\037 \006\003\125\004\012\023\030\124\162\165\163\164\167\141\166\145 \040\110\157\154\144\151\156\147\163\054\040\111\156\143\056\061 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \frac{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

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 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

 $\label{eq:condition} $$ \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

 $\label{eq:condition} $$ 133\104\343\215\135\066\206\046\350\015\005\322\131\247\203\124 $$$

END

CKA_ISSUER MULTILINE_OCTAL

 $\label{eq:condition} $$ \060\201\221\061\013\060\011\006\003\125\004\006\023\002\125\123$$

\061\021\060\017\006\003\125\004\010\023\010\111\154\154\151\156

 $\label{eq:condition} $$ \frac{157}{151}\frac{000}{000}\frac{000}{016}\frac{000}{003}\frac{125}{004}\frac{007}{023}\frac{103}{150} $$$

 $\\ 124 \\ 162 \\ 165 \\ 163 \\ 164 \\ 167 \\ 141 \\ 166 \\ 145 \\ 040 \\ 110 \\ 157 \\ 154 \\ 144 \\ 151 \\ 156$

 $\\ 147\\ 163\\ 054\\ 040\\ 111\\ 156\\ 143\\ 056\\ 061\\ 072\\ 060\\ 070\\ 006\\ 003\\ 125\\ 004$

\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
\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
\label{eq:condition} $$ \frac{157}{151}\frac{000}{000}\frac{000}{016}\frac{000}{003}\frac{125}{004}\frac{007}{023}\frac{103}{150} $$
\151\143\141\147\157\061\041\060\037\006\003\125\004\012\023\030
\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

 $\label{eq:control} $$ \061\021\060\017\006\003\125\004\010\111\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\143\056\061\072\060\070\006\003\125\004\003\125\004\103\125\004\103\125\104\157\142\141\154\040\105\103\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 $\label{eq:condition} $$ \275\205\227\154\231\047\244\200\150\107\073\060\012\006\010\052$$ \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 \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 \156\040\101\165\164\150\157\162\151\164\171\060\036\027\015\061 $\label{eq:condition} $$ \067\060\070\062\063\061\071\063\066\064\063\132\027\015\064\062$ \060\070\062\063\061\071\063\066\064\063\132\060\201\221\061\013 \060\011\006\003\125\004\006\023\002\125\123\061\021\060\017\006 $\label{eq:condition} $$ \003\125\004\010\023\010\111\154\154\151\156\157\151\163\061\020 $$$ \060\016\006\003\125\004\007\023\007\103\150\151\143\141\147\157 \061\041\060\037\006\003\125\004\012\023\030\124\162\165\163\164 \167\141\166\145\040\110\157\154\144\151\156\147\163\054\040\111 \156\143\056\061\072\060\070\006\003\125\004\003\023\061\124\162 \165\163\164\167\141\166\145\040\107\154\157\142\141\154\040\105 \103\103\040\120\063\070\064\040\103\145\162\164\151\146\151\143 $\label{eq:condition} $$ 166\060\020\006\007\052\206\110\316\075\002\001\006\005\053\201 $$$ $\\ \\004\\000\\042\\003\\142\\000\\004\\153\\332\\015\\165\\065\\010\\061\\107\\005$ \256\105\231\125\361\021\023\056\112\370\020\061\043\243\176\203 \323\177\050\010\072\046\032\072\317\227\202\037\200\267\047\011 \217\321\216\060\304\012\233\016\254\130\004\253\367\066\175\224 \043\244\233\012\212\213\253\353\375\071\045\146\361\136\376\214 \256\215\101\171\235\011\140\316\050\251\323\212\155\363\326\105 \324\362\230\204\070\145\240\243\103\060\101\060\017\006\003\125 \035\023\001\001\377\004\005\060\003\001\001\377\060\017\006\003 \125\035\017\001\001\377\004\005\003\003\007\006\000\060\035\006

 $\label{eq:constraint} $$ \030\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

 $\label{eq:condition} $$ \frac{352}{317}140\frac{073}{271}025\frac{1100}{241}227\frac{355}{170}047\frac{223}{326} $$$

END

CKA_ISSUER MULTILINE_OCTAL

 $\label{eq:condition} $$ \000\201\221\061\013\060\011\006\003\125\004\010\023\010\111\154\151\156\157\151\163\061\020\060\016\006\003\125\0004\007\023\007\103\150\151\143\141\147\157\061\041\060\037\006\003\125\0004\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\0004\003\125\0004\003\125\0004\003\125\163\164\167\141\166\145\040\107\154\157\0003\023\061\124\162\165\163\164\167\141\166\145\040\107\154\157\0000$

```
\142\141\154\040\105\103\103\040\120\063\070\064\040\103\145\162
\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
{\tt 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
\label{eq:condition} $$ \060\151\061\013\060\011\006\003\125\004\006\023\002\113\122\061 $$
\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
\156\040\101\165\164\150\157\162\151\164\171
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\151\061\013\060\011\006\003\125\004\006\023\002\113\122\061
\046\060\044\006\003\125\004\012\014\035\116\101\126\105\122\040
\102\125\123\111\116\105\123\123\040\120\114\101\124\106\117\122
\115\040\103\157\162\160\056\061\062\060\060\006\003\125\004\003
\014\051\116\101\126\105\122\040\107\154\157\142\141\154\040\122
\157\157\164\040\103\145\162\164\151\146\151\143\141\164\151\157
```

\156\040\101\165\164\150\157\162\151\164\171

END

CKA SERIAL NUMBER

MULTILINE OCTAL

\002\024\001\224\060\036\242\013\335\365\305\063\052\261\103\104 \161\370\326\120\115\015

END

CKA VALUE MULTILINE OCTAL

 $\label{eq:condition} $$ \0.000\202\0.005\242\0.002\0.003\212\240\0.003\0.002\0.01\0.002\0.002\0.001$ \224\060\036\242\013\335\365\305\063\052\261\103\104\161\370\326 \120\115\015\060\015\006\011\052\206\110\206\367\015\001\001\014 $\label{eq:condition} $$ \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 \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 $\label{eq:condition} $$ \063\067\060\070\061\070\062\063\065\071\065\071\132\060\151\061\$ \013\060\011\006\003\125\004\006\023\002\113\122\061\046\060\044 \006\003\125\004\012\014\035\116\101\126\105\122\040\102\125\123 \157\162\160\056\061\062\060\060\006\003\125\004\003\014\051\116 $\label{eq:control_loss} $$ 101\126\105\122\040\107\154\157\142\141\154\040\122\157\157\164$$ \040\103\145\162\164\151\146\151\143\141\164\151\157\156\040\101 \165\164\150\157\162\151\164\171\060\202\002\042\060\015\006\011 $\label{eq:condition} $$ \052\206\110\206\367\015\001\001\001\005\000\003\202\002\017\000 $$$ \060\202\002\012\002\202\002\001\000\266\324\361\223\134\265\100 \211\012\253\015\220\133\120\143\256\220\224\164\027\105\162\326 $\label{eq:condition} $$ \frac{173}145\frac{32}{051}\frac{247}{126}\frac{240}{113}\frac{270}{057}\frac{102}{165}\frac{351}{331}\frac{173}{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 $\label{eq:condition} $$ \010\220\142\264\345\055\356\110\247\153\027\231\124\276\207\112 $$$ \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 $\label{eq:condition} $$ \001\001\311\270\121\130\300\146\072\261\146\113\304\325\061\002$ \142\351\164\204\014\333\115\106\055\002\003\001\000\001\243\102 $\label{eq:condition} $$ \000\003\006\003\125\035\016\004\026\004\024\322\237\210 $$$ $\label{eq:condition} $$ 337 \times 41 \times 15 \times 4\times 275 \times 354 \times 365 \times 1001 \times 1001 \times 223 \times 063 \times 047 \times 262 \times 353 \times 140 \times 1001 \times 1$ \113\060\016\006\003\125\035\017\001\001\377\004\004\003\002\001 $\label{eq:condition} $$ \006\000\17\006\003\125\035\023\001\001\377\004\005\060\003\001 $$$ \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 $\label{eq:condition} $$ 322\056\360\244\001\041\013\147\110\312\155\216\340\310\252\015 $$$ \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 $\label{eq:condition} $$ \266\267\042\057\011\234\023\026\261\154\014\065\010\155\253\143$$ \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 $\label{eq:condition} $$ \307\170\033\266\235\351\014\370\033\166\361\205\204\336\241\332$ $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \frac{351}{330}065 \frac{353}{016}050 \frac{356}{110}057 \frac{320}{171}011 \frac{174}{010} $$ \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 $\label{eq:condition} $$ 166\035\232\215\304\006\215\066\267\024\363\235\124\151\267\216$ $\label{eq:condition} $$ \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

 $\label{eq:condition} $$ \060\151\061\013\060\011\006\003\125\004\006\023\002\113\122\061 $$$

 $\\ \\046\\060\\044\\006\\003\\125\\004\\012\\014\\035\\116\\101\\126\\105\\122\\040$

 $\label{eq:condition} $$ 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

\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

```
#
# 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-
O2826004J.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
\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
\label{eq:condition} $$ 105\123\055\121\062\070\062\066\060\060\064\112\061\054\060\052$
\006\003\125\004\003\014\043\101\103\040\122\101\111\132\040\106
\116\115\124\055\122\103\115\040\123\105\122\126\111\104\117\122
105\123\040\123\105\107\125\122\117\123
END
CKA ID UTF8 "0"
CKA ISSUER MULTILINE OCTAL
\060\170\061\013\060\011\006\003\125\004\006\023\002\105\123\061
\021\060\017\006\003\125\004\012\014\010\106\116\115\124\055\122
\103\115\061\016\060\014\006\003\125\004\013\014\005\103\145\162
\145\163\061\030\060\026\006\003\125\004\141\014\017\126\101\124
\label{eq:condition} $$ 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 \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 $\label{eq:condition} $$ \070\062\066\060\060\064\112\061\054\060\052\006\003\125\004\003$ \014\043\101\103\040\122\101\111\132\040\106\116\115\124\055\122 \107\125\122\117\123\060\036\027\015\061\070\061\062\062\060\060 \071\063\067\063\063\132\027\015\064\063\061\062\062\060\060\071 $\label{eq:condition} $$ \023\02\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\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 \126\111\104\117\122\105\123\040\123\105\107\125\122\117\123\060 $\label{eq:condition} $$ \004\000\042\003\142\000\004\366\272\127\123\310\312\253\337\066$$ \112\122\041\344\227\322\203\147\236\360\145\121\320\136\207\307 $\label{eq:condition} $$ 107\261\131\362\127\107\233\000\002\223\104\027\151\333\102\307 $$$ \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 $\label{eq:condition} $$ \006\115\316\003\115\007\161\317\257\152\005\322\242\103\132\012$ \122\157\001\003\116\216\213\243\102\060\100\060\017\006\003\125 \035\023\001\001\377\004\005\060\003\001\001\377\060\016\006\003 \125\035\016\004\026\004\024\001\271\057\357\277\021\206\140\362 \117\320\101\156\253\163\037\347\322\156\111\060\012\006\010\052 \206\110\316\075\004\003\003\003\151\000\060\146\002\061\000\256 \112\343\053\100\303\164\021\362\225\255\026\043\336\116\014\032 \346\135\245\044\136\153\104\173\374\070\342\117\313\234\105\027 \021\114\024\047\046\125\071\165\112\003\314\023\220\237\222\002 $\label{eq:condition} $$ \061\000\372\112\154\140\210\163\363\356\270\230\142\251\316\053$ $\label{eq:condition} $$ 302\331\212\246\160\061\035\257\260\224\114\353\117\306\343\321 $$$ $\label{eq:condition} $$ 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_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
\label{eq:condition} $$ \060\170\061\013\060\011\006\003\125\004\006\023\002\105\123\061 $$
\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
\label{eq:condition} $$ 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
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
- $\label{eq:condition} $$ \00122\061\013\060\011\006\003\125\004\006\023\002\102\105\061 $$$
- \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

- \040\122\064\065
- **END**
- CKA ID
- UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

 $\label{eq:condition} $$ \000122\061\013\060\011\006\003\125\004\006\023\002\102\102\105\061 $$ \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

\006\003\125\004\003\023\037\107\154\157\142\141\154\123\151\147 \156\040\123\145\143\165\162\145\040\115\141\151\154\040\122\157 \157\164\040\122\064\065\060\202\002\042\060\015\006\011\052\206 \110\206\367\015\001\001\001\005\000\003\202\002\017\000\060\202 \002\012\002\202\002\001\000\334\171\314\155\006\371\155\273\340 \126\004\154\177\340\165\314\055\005\111\350\113\334\124\354\133 \167\225\162\277\177\142\235\205\251\212\044\120\137\123\345\333 \164\157\244\051\133\023\052\011\255\232\305\057\302\367\166\073 \241\105\106\252\103\346\044\376\053\260\157\062\160\031\106\132 \171\046\057\374\075\175\137\144\313\127\314\141\141\250\331\225 \156\343\225\240\156\177\107\022\030\326\357\003\311\373\212\372 \232\275\202\025\251\125\167\113\021\117\131\340\153\303\161\363 \014\330\124\325\201\150\076\023\271\025\056\207\212\074\104\047 $\label{eq:condition} $$ \066\142\044\156\370\054\005\162\060\141\275\102\221\043\304\235$$ $\\ \\ 045\\ \\ 247\\ \\ 331\\ \\ 124\\ \\ 232\\ \\ 024\\ \\ 243\\ \\ 061\\ \\ 255\\ \\ 200\\ \\ 171\\ \\ 014\\ \\ 247\\ \\ 143\\ \\ 154\\ \\ 230$ \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 $\label{eq:condition} $$ 164\371\313\354\065\042\242\014\060\217\073\253\171\353\126\362$ \372\102\363\355\371\037\105\211\100\051\255\352\222\164\352\122 \375\126\264\053\332\242\355\165\302\156\253\316\122\220\113\366 $\label{eq:condition} $$ 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 $\label{eq:condition} $$ \013\373\337\126\242\311\156\124\166\332\261\227\142\047\131\017 $$$ \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 $\label{eq:condition} $$ \000\003\125\035\017\001\001\377\004\004\003\002\001\206$ $\label{eq:condition} $$ \000\017\006\003\125\035\023\001\001\377\004\005\060\003\001\001 $$$ $\label{eq:condition} $$ \sqrt{377} \cdot 060 \cdot 035 \cdot 006 \cdot 003 \cdot 125 \cdot 035 \cdot 016 \cdot 004 \cdot 026 \cdot 004 \cdot 024 \cdot 240 \cdot 223 \cdot 025 \cdot 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 $\label{eq:condition} $$ \202\001\000\105\012\370\321\134\254\142\201\320\004\327\266$$ \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 $\label{eq:condition} $$ 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 $\label{eq:condition} $$ 301\366\165\043\374\037\074\170\117\160\061\170\057\242\065\124 $$$ \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 $\label{eq:condition} $$ \027\041\061\166\267\147\161\110\050\113\045\327\020\350\237\141 $$$ \131\026\305\076\062\116\037\014\316\243\314\017\344\307\021\007 \042\057\070\010\335\133\227\353\102\154\131\232\232\356\172\320 \235\337\305\333\011\103\056\012\252\031\075\153\350\152\060\172 \127\346\277\263\152\071\251\217\343\361\117\145\150\266\275\237 \050\217\241\026\132\011\120\072\062\056\035\057\104\021\102\246 $\label{eq:condition} $$ \000\346\061\230\377\055\241\017\346\244\140\126\317\171\327\262 $$$ $\label{eq:condition} $$ \frac{327}{260}\frac{372}{156}\frac{014}{127}\frac{307}{316}\frac{37}{245}\frac{261}{114}\frac{155}{031} $$$ \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

 ${\tt CKA_NSS_SERVER_DISTRUST_AFTER\ CK_BBOOL\ CK_FALSE\ CKA_NSS_EMAIL_DISTRUST_AFTER\ CK_BBOOL\ CK_FALSE\ }$

```
# Trust for "GlobalSign Secure Mail Root R45"
```

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"

[#] 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):

```
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\label{eq:condition} $$ 166\030\321\363\200\044\075\122\100\306\021\152\255\127\167\011 $$
\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
\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

END

CKA SERIAL NUMBER MULTILINE OCTAL

 $\label{eq:condition} $$ \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\002\166 \123\376\252\047\035\225\106\135\326\361\236\345\270\220\012\060 $\label{eq:condition} $$ \012\006\010\052\206\110\316\075\004\003\003\060\122\061\013\060 $$$ \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 $\label{eq:condition} $$ \frac{156\\166\\055\\163\\141\\061\\050\\060\\046\\006\\003\\125\\004\\003\\023\\037$ \107\154\157\142\141\154\123\151\147\156\040\123\145\143\165\162 \145\040\115\141\151\154\040\122\157\157\164\040\105\064\065\060 \036\027\015\062\060\060\063\061\070\060\060\060\060\060\060\132 \027\015\064\065\060\063\061\070\060\060\060\060\060\060\060\132\060 \122\061\013\060\011\006\003\125\004\006\023\002\102\105\061\031 \060\027\006\003\125\004\012\023\020\107\154\157\142\141\154\123 \151\147\156\040\156\166\055\163\141\061\050\060\046\006\003\125 $\\ \\004\\ \\003\\ \\023\\ \\037\\ \\107\\ \\154\\ \\157\\ \\142\\ \\141\\ \\154\\ \\123\\ \\151\\ \\147\\ \\156\\ \\040\\ \\123\\ \\151\\ \\147\\ \\156\\ \\040\\ \\123\\ \\151\\ \\147\\ \\156\\ \\040\\ \\123\\ \\151\\ \\147\\ \\156\\ \\040\\ \\123\\ \\151\\ \\147\\ \\156\\ \\040\\ \\123\\ \\151\\ \\147\\ \\156\\ \\040\\ \\123\\ \\151\\ \\147\\ \\156\\ \\040\\ \\123\\ \\151\\ \\147\\ \\156\\ \\040\\ \\123\\ \\151\\ \\147\\ \\156\\ \\040\\ \\123\\ \\151\\ \\147\\ \\156\\ \\040\\ \\123\\ \\151\\ \\147\\ \\156\\ \\150\\ \\1$ \145\143\165\162\145\040\115\141\151\154\040\122\157\157\164\040 \105\064\065\060\166\060\020\006\007\052\206\110\316\075\002\001 \006\005\053\201\004\000\042\003\142\000\004\371\171\213\201\107 \067\211\226\077\105\111\120\177\032\046\013\223\062\176\056\300 \300\247\010\232\303\156\217\233\076\013\042\354\067\123\267\157 \212\260\274\047\067\113\155\251\106\073\331\037\377\245\241\104 \273\055\163\277\236\101\007\134\123\233\121\010\072\132\273\157 $\label{eq:condition} $$ \070\307\026\221\170\302\112\023\151\035\202\337\132\057\000\210 $$$ \226\242\056\034\164\371\235\176\146\067\212\243\102\060\100\060 \016\006\003\125\035\017\001\001\377\004\004\003\002\001\206\060 \017\006\003\125\035\023\001\001\377\004\005\060\003\001\001\377 \060\035\006\003\125\035\016\004\026\004\024\337\023\136\213\137 \302\100\002\375\126\267\224\114\266\036\325\246\261\024\226\060 \012\006\010\052\206\110\316\075\004\003\003\003\150\000\060\145 \002\060\023\260\276\327\161\040\076\344\253\234\316\066\022\175 \137\114\037\052\265\151\105\063\137\323\055\132\262\344\210\307 \336\012\066\102\062\171\235\246\153\272\341\371\104\052\173\212 $\label{eq:condition} $$\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

 ${\tt CKA_NSS_SERVER_DISTRUST_AFTER\ CK_BBOOL\ CK_FALSE}$

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

 $\langle 053 \rangle 147 \rangle 165 \rangle 041$

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

 $\label{eq:condition} $$ \020\166\123\376\252\047\035\225\106\135\326\361\236\345\270$$$

\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

 $\label{eq:condition} $$ \060\106\061\013\060\011\006\003\125\004\006\023\002\102\105\061 $$$

 $\label{eq:condition} $$ \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

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

 $\label{eq:constraint} $$ \000\200\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\005\2206\110\206\367\015\001\001\010\14\005\000\0001\010\1006\0003\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\125\004\003\023\107\154\157\142\141\154\123\151\147\156\040\122\157\157\164\040\122\064\066\060\036\027\015\061\071\060\063$

\062\060\060\060\060\060\060\060\060\132\027\015\064\066\060\063\062 \060\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 $\label{eq:condition} $$ \023\020\107\154\157\142\141\154\123\151\147\156\040\156\166\055$$ \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 $\label{eq:condition} $$ \000\254\254\164\062\350\263\145\345\272\355\103\046\035\246\211 $$$ \015\105\272\051\210\262\244\035\143\335\323\301\054\011\127\211 $\label{eq:condition} $$ \071\241\125\351\147\064\167\014\156\344\125\035\122\045\322\023$ \153\136\341\035\251\267\175\211\062\137\015\236\237\054\172\143 \140\100\037\246\260\266\170\217\231\124\226\010\130\256\344\006 $\label{eq:condition} $$ \274\142\005\002\026\277\257\250\043\003\266\224\017\274\156\154$$ \302\313\325\246\273\014\351\366\301\002\373\041\336\146\335\027 \253\164\102\357\360\164\057\045\364\352\153\125\133\220\333\235 \337\136\207\012\100\373\255\031\153\373\367\312\140\210\336\332 \301\217\326\256\325\177\324\074\203\356\327\026\114\203\105\063 \153\047\320\206\320\034\055\153\363\253\175\361\205\251\365\050 \322\255\357\363\204\113\034\207\374\023\243\072\162\242\132\021 \053\326\047\161\047\355\201\055\155\146\201\222\207\264\033\130 \172\314\077\012\372\106\117\115\170\134\370\053\110\343\004\204 $\label{eq:condition} $$ \frac{313}{356} \frac{66}{264} \frac{263}{145} \frac{374}{102} \frac{236}{121} \frac{046}{043} \frac{040}{313} \frac{075}{121} \frac{1}{102} \frac{1}{$ \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 $\label{eq:condition} $$ \007\115\100\176\044\305\212\230\202\171\216\244\247\202\040\215 $$$ \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 $\label{eq:condition} $$ \007\041\153\201\217\333\304\131\372\336\042\300\004\234\343\252$ \133\066\223\350\075\275\172\241\235\013\166\261\013\307\235\375 \317\230\250\006\302\370\052\243\241\203\240\267\045\162\245\002 \343\002\003\001\000\001\243\102\060\100\060\016\006\003\125\035 \017\001\001\377\004\004\003\002\001\206\060\017\006\003\125\035 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ 304\041\246\107\123\125\115\150\277\005\244\356\327\046\253\142 $$$ \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 $\verb|237|166|010|055|153|330|272|127|024|332|203|352|376|214|125|351|$ \320\116\251\314\167\061\261\104\021\172\134\261\076\323\024\105 $\label{eq:condition} $$ \025\030\142\044\023\322\313\115\316\134\203\301\066\362\020\265$ $\label{eq:condition} $$ \016\210\155\270\341\126\237\211\336\226\146\071\107\144\054\156$$ \115\256\142\173\277\140\164\031\270\126\254\222\254\026\062\355 \255\150\125\376\230\272\323\064\336\364\311\141\303\016\206\366 $\label{eq:condition} $$ \frac{113}204\frac{40}{356}\frac{173}{265}\frac{173}{265}\frac{130}{171}\frac{1221}{125}\frac{125}{054}\frac{103}{263} $$$ \164\037\172\252\045\236\035\327\241\213\271\315\102\056\004\244 \146\203\115\211\065\266\154\250\066\112\171\041\170\042\320\102 \274\321\100\061\220\241\276\004\317\312\147\355\365\360\200\323 \140\311\203\052\042\005\320\007\073\122\277\014\236\252\053\371 \273\346\037\217\045\272\205\215\027\036\002\376\135\120\004\127 \317\376\055\274\357\134\300\032\253\266\237\044\306\337\163\150 $\label{eq:condition} $$ \frac{110}{220}054\\024\\364\\077\\122\\032\\344\\322\\313\\024\\303\\141\\151\\317$ $\label{eq:condition} $$ 342\371\030\305\272\063\237\024\243\004\135\271\161\367\265\224 $$$ \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 $\label{eq:condition} $$ \071\101\326\040\374\320\072\263\372\350\157\304\212\272\161\067 $$$ \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"
```

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

[#] 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 MODIFIABLE CK BBOOL CK FALSE
CKA_LABEL UTF8 "GlobalSign Root R46"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\label{eq:condition} $$ 123\242\260\113\312\153\326\105\346\071\212\216\304\015\322\277 $$
\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
\label{eq:condition} $$ \060\106\061\013\060\011\006\003\125\004\006\023\002\102\105\061 $$
\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

END

CKA_SERIAL_NUMBER

MULTILINE OCTAL

\002\022\021\322\273\272\063\156\324\274\346\044\150\305\015\204 \035\230\350\103

END

CKA_VALUE MULTILINE_OCTAL

\060\202\002\013\060\202\001\221\240\003\002\001\002\002\022\021 \322\273\272\063\156\324\274\346\044\150\305\015\204\035\230\350 \103\060\012\006\010\052\206\110\316\075\004\003\003\060\106\061 \013\060\011\006\003\125\004\006\023\002\102\105\061\031\060\027 \006\003\125\004\012\023\020\107\154\157\142\141\154\123\151\147 \156\040\156\166\055\163\141\061\034\060\032\006\003\125\004\003 \023\023\107\154\157\142\141\154\123\151\147\156\040\122\157\157 \164\040\105\064\066\060\036\027\015\061\071\060\063\062\060\060 \060\060\060\060\060\132\027\015\064\066\060\063\062\060\060\060 \060\060\060\060\132\060\106\061\013\060\011\006\003\125\004\006 $\label{eq:condition} $$ \023\02\102\105\061\031\060\027\006\003\125\004\012\023\020\107 $$$ \154\157\142\141\154\123\151\147\156\040\156\166\055\163\141\061 \034\060\032\006\003\125\004\003\023\023\107\154\157\142\141\154 \123\151\147\156\040\122\157\157\164\040\105\064\066\060\166\060 \020\006\007\052\206\110\316\075\002\001\006\005\053\201\004\000 \042\003\142\000\004\234\016\261\317\267\350\236\122\167\165\064 \372\245\106\247\255\062\031\062\264\007\251\047\312\224\273\014 \322\012\020\307\332\211\260\227\014\160\023\011\001\216\330\352 \107\352\276\262\200\053\315\374\050\015\333\254\274\244\206\067 \355\160\010\000\165\352\223\013\173\056\122\234\043\150\043\006 \103\354\222\057\123\204\333\373\107\024\007\350\137\224\147\135 \311\172\201\074\040\243\102\060\100\060\016\006\003\125\035\017 $\label{eq:condition} $$ \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

 $\label{eq:condition} $$ \frac{37}{073}034\frac{342}{000}227\frac{104}{061}\frac{346}{376}\frac{226}{057}\frac{332}{226}\frac{323}{320} $$$

\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

 $\label{eq:condition} $$ \071\264\154\325\376\200\006\353\342\057\112\273\010\063\240\257 $$$

\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

 $\label{eq:condition} $$ \060\106\061\013\060\011\006\003\125\004\006\023\002\102\105\061 $$$

 $\label{eq:condition} $$ \004\002\000\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

\122\157\157\164\040\105\064\066

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

 $\label{eq:condition} $$ \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
- \107\155\142\110\061\031\060\027\006\003\125\004\003\023\020\107

END

CKA ID

UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

 $\label{eq:condition} $$ \060\115\061\013\060\011\006\003\125\004\006\023\002\101\124\061 $$$

 $\\ \\043\\060\\041\\006\\003\\125\\004\\012\\023\\032\\145\\055\\143\\157\\155\\155$

\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

END

CKA SERIAL NUMBER MULTILINE OCTAL

 $\label{eq:condition} $$ \002\013\132\113\275\132\373\117\212\133\372\145\345$$

END

CKA VALUE MULTILINE OCTAL

\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 $\label{eq:condition} $$ 33\273\321\270\121\340\313\203\073\163\070\156\167\212\017\131$ \143\046\315\247\052\316\124\373\270\342\300\174\107\316\140\174 $\label{eq:condition} $$ \077\262\163\362\300\031\266\212\222\207\065\015\220\050\242\344 $$$ $\label{eq:condition} $$ \025\04\143\076\272\257\356\174\136\314\246\213\120\262\070\367 $$$ \101\143\312\316\377\151\217\150\016\225\066\345\314\271\214\011 \312\113\335\061\220\226\310\314\037\375\126\226\064\333\216\034 $\label{eq:condition} $$352\054\276\205\056\143\335\252\251\225\323\375\051\225\023\360$$ \310\230\223\331\055\026\107\220\021\203\242\072\042\242\050\127 \242\353\376\300\214\050\240\246\175\347\052\102\073\202\200\143 \245\143\037\031\314\174\262\146\250\302\323\155\067\157\342\176 \006\121\331\105\204\037\022\316\044\122\144\205\013\110\200\116 \207\261\042\042\060\252\353\256\276\340\002\340\100\350\260\102 \200\003\121\252\264\176\252\104\327\103\141\363\242\153\026\211 \111\244\243\244\053\212\002\304\170\364\150\212\301\344\172\066 $\label{eq:condition} $$ \261\157\033\226\033\167\111\215\324\311\006\162\217\317\123\343 $$$ \334\027\205\040\112\334\230\047\323\221\046\053\107\036\151\007 \257\336\242\344\344\324\153\013\263\136\174\324\044\200\107\051 \151\073\156\350\254\375\100\353\330\355\161\161\053\362\350\130 \035\353\101\227\042\305\037\324\071\320\047\217\207\343\030\364 $\label{eq:condition} $$ 340\251\106\015\365\164\072\202\056\320\156\054\221\243\061\134 $$$ \073\106\352\173\004\020\126\136\200\035\365\245\145\350\202\374 \342\007\214\142\105\365\040\336\106\160\206\241\274\223\323\036 $\label{eq:condition} $$ 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 $\label{eq:condition} $$ \001\377\060\016\006\003\125\035\017\001\001\377\004\004\003\002$ \001\006\060\035\006\003\125\035\016\004\026\004\024\334\056\037 \321\141\067\171\344\253\325\325\263\022\161\150\075\152\150\234 \042\060\037\006\003\125\035\043\004\030\060\026\200\024\334\056 $\label{eq:condition} $$ \037\321\141\067\171\344\253\325\325\263\022\161\150\075\152\150 $$$ \234\042\060\015\006\011\052\206\110\206\367\015\001\001\013\005 $\label{eq:condition} $$ \000\003\202\002\001\000\221\360\102\002\150\100\356\303\150\300 $$$ \124\057\337\354\142\303\303\236\212\240\061\050\252\203\216\244 $\label{eq:condition} $$ \frac{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 $\label{eq:condition} $$ \207\275\212\343\223\173\306\217\233\026\235\047\145\274\172\305 $$$ \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 $\label{eq:condition} $$ \054\210\061\242\275\060\354\320\320\300\022\361\301\071\343\345 $$$ \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 $\label{eq:condition} $$ \05\276\273\021\173\012\277\250\156\347\377\130\103\317\233\147 $$$ \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 $\label{eq:condition} $$ \frac{354}{331} \frac{245}{067} \frac{035}{067} \frac{174}{264} \frac{221}{312} \frac{332}{324} \frac{261}{226} \frac{201}{357}$ \150\134\166\020\111\257\176\245\067\200\261\034\122\275\063\201 \114\217\371\335\145\331\024\315\212\045\130\364\342\305\203\245 $\label{eq:condition} $$ \011\220\324\154\024\143\265\100\337\353\300\374\304\130\176\015 $$$ \024\026\207\124\047\156\126\344\160\204\270\154\062\022\176\202 \061\103\276\327\335\174\241\255\256\326\253\040\022\357\012\303 $\label{eq:condition} $$ \020\214\111\226\065\334\013\165\136\261\117\325\117\064\016\021 $$$ \040\007\165\103\105\351\243\021\332\254\243\231\302\266\171\047 $\label{eq:condition} $\342\271\357\310\342\366\065\051\172\164\372\305\177\202\005\142$ \246\012\352\150\262\171\107\006\156\362\127\250\025\063\306\367 \170\112\075\102\173\153\176\376\367\106\352\321\353\216\357\210 $\label{eq:condition} $$ \frac{150}{133}\frac{350}{301}\frac{31}{161}\frac{176}{375}\frac{375}{144}\frac{357}{377}\frac{147}{107}\frac{210}{130}\frac{045}{120}$ \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 $\verb|251|372|320|003|275|162|067|140|126|037|066|174|275|071|221|365|$ \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 LABEL UTF8 "GLOBALTRUST 2020"
CKA CERT SHA1 HASH MULTILINE OCTAL
\label{eq:condition} $$ 320\147\301\023\121\001\014\252\320\307\152\145\067\061\026\046$
\117\123\161\242
END
CKA CERT MD5 HASH MULTILINE OCTAL
\212\307\157\313\155\343\314\242\361\174\203\372\016\170\327\350
END
CKA ISSUER MULTILINE OCTAL
\label{eq:condition} $$ \060\115\061\013\060\011\006\003\125\004\006\023\002\101\124\061 $$
\\ \langle 043 \rangle 060 \rangle 041 \rangle 006 \rangle 003 \rangle 125 \rangle 004 \rangle 012 \rangle 023 \rangle 032 \rangle 145 \rangle 055 \rangle 143 \rangle 157 \rangle 155 \rangle 156 \rangle 156 \rangle 157 \rangle 
\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, serial Number=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, serial Number=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
```

CKA MODIFIABLE CK BBOOL CK FALSE

 $\label{eq:condition} $$ \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\0013\023\013\101\116\106\040\103\101\040\122 \\ 141\151\172\061\042\060\040\006\003\125\0004\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

 $\label{eq:condition} $$ \060\201\204\061\022\060\020\006\003\125\0004\005\023\011\107\066\063\062\070\067\065\061\060\061\013\060\011\006\003\125\0004\006\003\125\0004\0012\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\0004\0013\023\013\101\116\106\040\103\101\1040\122\141\151\172\061\042\060\040\006\003\125\0004\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

 $\label{eq:condition} $$ \002\010\015\323\343\274\154\371\153\261$$

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 \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 \141\144\040\144\145\040\103\145\162\164\151\146\151\143\141\143 \151\157\156\061\024\060\022\006\003\125\004\013\023\013\101\116 \106\040\103\101\040\122\141\151\172\061\042\060\040\006\003\125 \004\003\023\031\101\116\106\040\123\145\143\165\162\145\040\123 \145\162\166\145\162\040\122\157\157\164\040\103\101\060\036\027 \015\061\071\060\071\060\064\061\060\060\060\063\070\132\027\015 \063\071\060\070\063\060\061\060\060\060\063\070\132\060\201\204 $\label{eq:condition} $$ \001\022\060\020\006\003\125\004\005\023\011\107\066\063\062\070 $$$ \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 \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 $\label{eq:condition} $$ \053\270\236\035\176\105\062\140\017\007\351\167\130\176\237\152$$ \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 $\label{eq:condition} $$ \027\063\271\043\344\167\031\175\313\112\056\222\173$ \117\057\020\167\261\215\057\150\234\142\314\340\120\370\354\221 \247\124\114\127\011\325\166\143\305\350\145\036\356\155\152\317 \011\235\372\174\117\255\140\010\375\126\231\017\025\054\173\251 \200\253\214\141\217\112\007\166\102\336\075\364\335\262\044\063 \133\270\265\243\104\311\254\177\167\074\035\043\354\202\251\246 \342\310\006\114\002\376\254\134\231\231\013\057\020\212\246\364 \177\325\207\164\015\131\111\105\366\360\161\134\071\051\326\277 $\label{eq:condition} $$ \frac{112\043\213\365\137\001\143\322\207\163\050\265\113\012\365\370}{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 $\label{eq:condition} $$ 166\136\347\264\261\100\312\041\273\325\200\121\345\110\122\147 $$$ \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 $\label{eq:condition} $$ 101\001\002\057\175\163\247\336\102\314\114\351\211\015\126\367 $$$ \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 $\label{eq:condition} $$ 346 \times 256 \times 242 \times 074 \times 05116 \times 036 \times 075 \times 155 \times 11024 \times 144343 \times 056 \times 1011 \times 036 \times 075 \times 036 \times 075 \times 036 \times 03$ \273\312\071\277\066\074\052\031\252\101\207\116\245\316\113\062 \171\335\220\111\177\002\003\001\000\001\243\143\060\141\060\037 \006\003\125\035\043\004\030\060\026\200\024\234\137\320\154\143 \243\137\223\312\223\230\010\255\214\207\245\054\134\301\067\060 \035\006\003\125\035\016\004\026\004\024\234\137\320\154\143\243 \137\223\312\223\230\010\255\214\207\245\054\134\301\067\060\016 $\label{eq:condition} $$ \006\003\125\035\017\001\001\377\004\004\003\002\001\206\060\017 $$$ $\\ \\006\\003\\125\\035\\023\\001\\001\\377\\004\\005\\060\\003\\001\\001\\377\\060$ \015\006\011\052\206\110\206\367\015\001\001\013\005\000\003\202 \002\001\000\116\036\271\212\306\240\230\077\156\303\151\300\152 \134\111\122\254\313\053\135\170\070\301\325\124\204\237\223\360 \207\031\075\054\146\211\353\015\102\374\314\360\165\205\077\213 \364\200\135\171\345\027\147\275\065\202\342\362\074\216\175\133 $\label{eq:condition} $$ \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

\244\133\152\026\041\222\335\163\140\236\020\030\336\074\201\352 $\label{eq:condition} $$350\030\303\174\211\362\213\120\076\275\021\342\025\003\250\066$$ \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 $\label{eq:condition} $$ 377\072\065\076\245\124\112\122\131\113\140\333\356\376\170\021 $$$ \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 $\label{eq:condition} $$ \frac{351}{203}056\\ 153\\ 061\\ 331\\ 335\\ 107\\ 206\\ 117\\ 155\\ 227\\ 221\\ 056\\ 117\\ 342$ \050\161\065\026\321\362\163\376\045\053\007\107\044\143\047\310 \370\366\331\153\374\022\061\126\010\300\123\102\257\234\320\063 \176\374\006\360\061\104\003\024\361\130\352\362\152\015\251\021 \262\203\276\305\032\277\007\352\131\334\243\210\065\357\234\166 \062\074\115\006\042\316\025\345\335\236\330\217\332\336\322\304 \071\345\027\201\317\070\107\353\177\210\155\131\033\337\237\102 $\label{eq:condition} $$ \024\256\176\317\250\260\146\145\332\067\257\237\252\075\352\050 $$$ \266\336\325\061\130\026\202\133\352\273\031\165\002\163\032\312 $\label{eq:condition} $$ 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 # 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, serial Number=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, serial Number=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"

\016\054\160\355\164\077\270\023\225\006\121\310\350\207\046\312

```
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
\label{eq:condition} $$ \022\006\003\125\004\013\023\013\101\116\106\040\103\101\040\122 $$
\106\040\123\145\143\165\162\145\040\123\145\162\166\145\162\040
\122\157\157\164\040\103\101
END
CKA SERIAL NUMBER
MULTILINE_OCTAL
\002\010\015\323\343\274\154\371\153\261
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA TRUST EMAIL PROTECTION CK TRUST CKT NSS MUST VERIFY TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA TRUST STEP UP APPROVED CK BBOOL CK FALSE
# Certificate "Certum EC-384 CA"
# Issuer: CN=Certum EC-384 CA,OU=Certum Certification Authority,O=Asseco Data Systems S.A.,C=PL
# Serial Number:78:8f:27:5c:81:12:52:20:a5:04:d0:2d:dd:ba:73:f4
# Subject: CN=Certum EC-384 CA,OU=Certum Certification Authority,O=Asseco Data Systems S.A.,C=PL
# Not Valid Before: Mon Mar 26 07:24:54 2018
# Not Valid After: Thu Mar 26 07:24:54 2043
# Fingerprint (SHA-256):
6B:32:80:85:62:53:18:AA:50:D1:73:C9:8D:8B:DA:09:D5:7E:27:41:3D:11:4C:F7:87:A0:F5:D0:6C:03:0C:F6
Fingerprint (SHA1): F3:3E:78:3C:AC:DF:F4:A2:CC:AC:67:55:69:56:D7:E5:16:3C:E1:ED
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Certum EC-384 CA"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\164\061\013\060\011\006\003\125\004\006\023\002\120\114\061
\041\060\037\006\003\125\004\012\023\030\101\163\163\145\143\157
```

 $\label{lem:condition} $$ \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\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

 $\label{eq:condition} $$ \000164\0011\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\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

 $\label{eq:condition} $$ \060\202\002\145\060\202\001\353\240\003\002\001\002\002\002\170$ \217\047\134\201\022\122\040\245\004\320\055\335\272\163\364\060 \012\006\010\052\206\110\316\075\004\003\003\060\164\061\013\060 \011\006\003\125\004\006\023\002\120\114\061\041\060\037\006\003 \125\004\012\023\030\101\163\163\145\143\157\040\104\141\164\141 \040\123\171\163\164\145\155\163\040\123\056\101\056\061\047\060 $\label{eq:condition} $$ 0.045 \times 0.03 \times 1.25 \times 0.04 \times 0.13 \times 0.03 \times 1.03 \times 1.045 \times 0.045 \times 0.03 \times 1.03 \times 0.03 \times 0$ \145\162\164\151\146\151\143\141\164\151\157\156\040\101\165\164 \150\157\162\151\164\171\061\031\060\027\006\003\125\004\003\023 \020\103\145\162\164\165\155\040\105\103\055\063\070\064\040\103 \101\060\036\027\015\061\070\060\063\062\066\060\067\062\064\065 \064\132\027\015\064\063\060\063\062\066\060\067\062\064\065\064 \132\060\164\061\013\060\011\006\003\125\004\006\023\002\120\114 $\label{eq:condition} $$ \061\041\060\037\006\003\125\004\012\023\030\101\163\163\145\143$$ $\label{eq:condition} $$ \frac{157}040\\104\\141\\164\\141\\040\\123\\171\\163\\164\\145\\155\\163\\040\\123$ $\label{eq:condition} $$ \056\101\056\061\047\060\045\006\003\125\004\013\023\036\103\145 $$$ \162\164\165\155\040\103\145\162\164\151\146\151\143\141\164\151 $\label{eq:condition} $$ \frac{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

 $\label{eq:control} $$ \end{align} $$ \end{align}$

END

CKA_NSS_MOZILLA_CA_POLICY

CK BBOOL CK TRUE

 ${\tt CKA_NSS_SERVER_DISTRUST_AFTER\ CK_BBOOL\ CK_FALSE}$

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

 $\label{eq:condition} $$ 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

 $\label{eq:condition} \end{cases} $$

END

CKA_ISSUER MULTILINE_OCTAL

```
\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
```

 $\label{eq:condition} $$ 101\056\061\047\060\045\006\003\125\004\013\023\036\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

 $\label{eq:condition} $$ \02\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\003\036 \277\131\120\270\311\200\067\114\006\367\353\125\117\265\355\060 $\label{eq:condition} $$ \0.015\0.06\0.01\0.05\0.00\0.060\0.015\0.001\0.01\0.015\0.005\0.000\0.060\0.012$ \061\013\060\011\006\003\125\004\006\023\002\120\114\061\041\060 $\label{eq:condition} $$ \003\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 $\label{eq:condition} $$ 145\144\040\122\157\157\164\040\103\101\060\036\027\015\061\070$$ \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 \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 $\label{eq:condition} $$ \frac{157}{162}\frac{151}{164}\frac{061}{037}\frac{060}{035}\frac{006}{003}\frac{125}{004}\frac{003}{023}\frac{026}{000} $$$ \103\145\162\164\165\155\040\124\162\165\163\164\145\144\040\122 \157\157\164\040\103\101\060\202\002\042\060\015\006\011\052\206 \110\206\367\015\001\001\001\005\000\003\202\002\017\000\060\202 \002\012\002\202\002\001\000\321\055\216\273\267\066\352\155\067 \221\237\116\223\247\005\344\051\003\045\316\034\202\367\174\231 \237\101\006\315\355\243\272\300\333\011\054\301\174\337\051\176 $\label{eq:condition} $$ \052\330\105\361\221\336\337\073\320\200\002\214\317\070\017\352 $$$ \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 $\label{eq:condition} $$ \073\112\313\170\132\153\027\137\015\307\303\117\116\232\052\242 $$$ \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 $\label{eq:condition} $$ \1166\146\146\374\032\077\352\110\124\034\276\060\275\200\120 $$$ \277\174\265\316\000\366\014\141\331\347\044\003\340\343\001\201 $\label{eq:condition} $$ \016\275\330\205\064\210\275\262\066\250\173\134\010\345\104\200 $$$ \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 $\label{eq:condition} $$ \000\017\006\003\125\035\023\001\001\377\004\005\060\003\001\001 $$$ \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 $\label{eq:condition} $$ \000\003\125\035\017\001\001\377\004\004\003\002\001\006$ \060\015\006\011\052\206\110\206\367\015\001\001\015\005\000\003 \202\002\001\000\110\242\325\000\013\056\320\077\274\034\325\265 \124\111\036\132\153\364\344\362\340\100\067\340\314\024\173\271 \311\372\065\265\165\027\223\152\005\151\205\234\315\117\031\170 \133\031\201\363\143\076\303\316\133\217\365\057\136\001\166\023 \077\054\000\271\315\226\122\071\111\155\004\116\305\351\017\206 \015\341\372\263\137\202\022\361\072\316\146\006\044\064\053\350 $\label{eq:condition} $$ \frac{314}{312}\frac{347}{151}\frac{334}{207}\frac{302}{064}\frac{327}{171}\frac{321}{323}\frac{167}{270}\frac{252}{252} $$$ \131\130\376\235\046\372\070\206\076\235\212\207\144\127\345\027 \072\342\371\215\271\343\063\170\301\220\330\270\335\267\203\121 \344\304\314\043\325\006\174\346\121\323\315\064\061\300\366\106 \273\013\255\374\075\020\005\052\073\112\221\045\356\214\324\204 \207\200\052\274\011\214\252\072\023\137\350\064\171\120\301\020 \031\371\323\050\036\324\321\121\060\051\263\256\220\147\326\037 $\label{eq:condition} $$ \012\143\261\305\251\306\102\061\143\027\224\357\151\313\057\372 $$$ \214\024\175\304\103\030\211\331\360\062\100\346\200\342\106\137 \345\343\301\000\131\250\371\350\040\274\211\054\016\107\064\013 \352\127\302\123\066\374\247\324\257\061\315\376\002\345\165\372 \271\047\011\371\363\365\073\312\175\237\251\042\313\210\311\252 \321\107\075\066\167\250\131\144\153\047\317\357\047\301\343\044 \265\206\367\256\176\062\115\260\171\150\321\071\350\220\130\303 \203\274\017\054\326\227\353\316\014\341\040\307\332\267\076\303 \077\277\057\334\064\244\373\053\041\315\147\217\113\364\343\352 \324\077\347\117\272\271\245\223\105\034\146\037\041\372\144\136 \157\340\166\224\062\313\165\365\156\345\366\217\307\270\244\314 $\label{eq:control} $$ \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

 $\label{eq:condition} $$ \060\172\061\013\060\011\006\003\125\004\006\023\002\120\114\061 $$$

 $\\ \\041\\060\\037\\006\\003\\125\\004\\012\\023\\030\\101\\163\\163\\145\\143\\157$

\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
\label{eq:condition} $$ \060\141\061\013\060\011\006\003\125\004\006\023\002\124\116\061 $$
\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
\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
\label{eq:condition} $$ \060\141\061\013\060\011\006\003\125\004\006\023\002\124\116\061 $$
\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
```

 $\label{eq:condition} $$ \002\024\023\002\325\342\100\114\222\106\206\026\147\135\264\273$

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 \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 $\label{eq:condition} $$ \003\03\125\004\003\014\020\124\165\156\124\162\165\163\164$$ \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 \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 $\label{eq:condition} $$ 120\230\045\334\043\371\270\130\101\010\161\277\117\270\204\240 $$$

\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 $\\ \langle 044 \rangle 075 \rangle 313 \rangle 302 \rangle 024 \rangle 065 \rangle 103 \rangle 135 \rangle 047 \rangle 116 \rangle 276 \rangle 300 \rangle 275 \rangle 252 \rangle 174 \rangle 226$ \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 $\label{eq:condition} $$ \037\123\175\361\365\244\310\323\206\076\241\163\131\264\367\104$ \041\060\017\006\003\125\035\023\001\001\377\004\005\060\003\001 \001\377\060\037\006\003\125\035\043\004\030\060\026\200\024\006 \232\233\037\123\175\361\365\244\310\323\206\076\241\163\131\264 \367\104\041\060\016\006\003\125\035\017\001\001\377\004\004\003 $\label{eq:condition} $$ \002\001\006\060\015\006\011\052\206\110\206\367\015\001\001\013$ $\label{eq:condition} $$ \005\000\003\202\002\001\000\252\005\156\266\335\025\311\277\263$ \306\040\366\006\107\260\206\223\045\323\215\271\310\000\077\227 \365\122\047\210\161\311\164\375\353\312\144\333\133\357\036\135 \272\277\321\353\356\134\151\272\026\310\363\271\217\323\066\056 \100\111\007\015\131\336\213\020\260\111\005\342\377\221\077\113 \267\335\002\216\370\201\050\134\314\334\155\257\137\024\234\175 \130\170\015\366\200\011\271\351\016\227\051\031\270\267\353\370 \026\313\125\022\344\306\175\273\304\354\370\265\034\116\076\147 $\label{eq:condition} $$ \277\305\137\033\155\155\107\050\252\004\130\141\326\166\277\042$$ \177\320\007\152\247\144\123\360\227\215\235\200\077\273\301\007 \333\145\257\346\233\062\232\303\124\223\304\034\010\303\104\373 \173\143\021\103\321\152\032\141\152\171\155\220\117\051\216\107 \005\301\022\151\151\326\306\066\061\341\374\372\200\272\134\117 \304\353\267\062\254\370\165\141\027\327\020\031\271\361\322\011 \357\172\102\235\133\132\013\324\306\225\116\052\316\377\007\327 \117\176\030\006\210\361\031\265\331\230\273\256\161\304\034\347 \120\251\353\127\051\000\026\343\066\034\310\370\277\360\063\325 \101\017\304\314\074\335\351\063\103\001\221\020\053\036\321\271 \135\315\062\031\213\217\214\040\167\327\042\304\102\334\204\026 \233\045\155\350\264\125\161\177\260\174\263\323\161\111\271\317 \122\244\004\077\334\075\240\273\257\063\236\012\060\140\216\333 \235\135\224\250\275\140\347\142\200\166\201\203\014\214\314\060 \106\111\342\014\322\250\257\353\141\161\357\347\042\142\251\367 \134\144\154\237\026\214\147\066\047\105\365\011\173\277\366\020 $\label{eq:condition} $$ \012\361\260\215\124\103\214\004\272\243\077\357\342\065\307\371 $$$ \164\340\157\064\101\320\277\163\145\127\040\371\233\147\172\146 \150\044\116\200\145\275\020\231\006\131\362\145\257\270\306\107 \273\375\220\170\213\101\163\056\257\125\037\334\073\222\162\156 \204\323\320\141\114\015\314\166\127\342\055\205\042\025\066\015 \353\001\235\353\330\353\304\204\231\373\300\014\314\062\350\343 \167\332\203\104\213\236\125\050\300\213\130\323\220\076\116\033 \000\361\025\255\203\053\232

END

CKA_NSS_MOZILLA_CA_POLICY

CK BBOOL CK TRUE

CKA_NSS_SERVER_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

 $\label{eq:condition} $$ \frac{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

 $\label{eq:cosparable} $$ \205\023\271\220\133\066\134\266\136\270\132\370\340\061\127\264$$

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

 $\\ \\ 040\\ \\ 116\\ \\ 141\\ \\ 164\\ \\ 151\\ \\ 157\\ \\ 156\\ \\ 141\\ \\ 154\\ \\ 145\\ \\ 040\\ \\ 144\\ \\ 145\\ \\ 040\\ \\ 103\\ \\ 145$

\164\162\157\156\151\161\165\145\061\031\060\027\006\003\125\004

\040\103\101

END

CKA_SERIAL_NUMBER

MULTILINE OCTAL

 $\label{eq:condition} $$ \002\024\023\002\325\342\100\114\222\106\206\026\147\135\264\273$

 $\verb|273|262|153|076|374|023|$

END

 ${\tt CKA_TRUST_SERVER_AUTH\ CK_TRUST\ CKT_NSS_TRUSTED_DELEGATOR}$

CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#

Certificate "HARICA TLS RSA Root CA 2021"

- # Issuer: CN=HARICA TLS RSA Root CA 2021,O=Hellenic Academic and Research Institutions CA,C=GR
- # Serial Number:39:ca:93:1c:ef:43:f3:c6:8e:93:c7:f4:64:89:38:7e
- # Subject: CN=HARICA TLS RSA Root CA 2021,O=Hellenic Academic and Research Institutions CA,C=GR
- # Not Valid

Before: Fri Feb 19 10:55:38 2021

- # Not Valid After: Mon Feb 13 10:55:37 2045
- # Fingerprint (SHA-256):
- D9:5D:0E:8E:DA:79:52:5B:F9:BE:B1:1B:14:D2:10:0D:32:94:98:5F:0C:62:D9:FA:BD:9C:D9:99:EC:CB:7B:1D
- # Fingerprint (SHA1): 02:2D:05:82:FA:88:CE:14:0C:06:79:DE:7F:14:10:E9:45:D7:A5:6D
- CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
- CKA_TOKEN CK_BBOOL CK_TRUE
- CKA PRIVATE CK BBOOL CK FALSE
- CKA_MODIFIABLE CK_BBOOL CK_FALSE
- CKA_LABEL UTF8 "HARICA TLS RSA Root CA 2021"
- CKA CERTIFICATE TYPE CK CERTIFICATE TYPE CKC X 509
- CKA_SUBJECT MULTILINE_OCTAL
- \060\154\061\013\060\011\006\003\125\004\006\023\002\107\122\061
- \067\060\065\006\003\125\004\012\014\056\110\145\154\154\145\156
- $\label{eq:condition} $$ \frac{151}143\\040\\101\\1143\\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
- $\\ \\003\\014\\033\\110\\101\\101\\122\\111\\103\\101\\040\\124\\114\\123\\040\\122\\123$
- \101\040\122\157\157\164\040\103\101\040\062\060\062\061

END

CKA ID UTF8

"0"

CKA_ISSUER MULTILINE_OCTAL

 $\label{eq:condition} $$ 101\040\122\157\157\164\040\103\101\040\062\060\062\061 $$

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

 $\label{eq:condition} $$ \000\200\3\244\060\202\003\214\240\003\002\001\002\002\002\0071 $$ \312\223\034\357\103\363\306\216\223\307\364\144\211\070\176\060 $$ \015\006\011\052\206\110\206\367\015\001\001\013\005\000\006\154 $$ \061\013\060\011\006\003\125\004\006\023\002\107\122\061\067\060 $$ \065\006\003\125\004\012\014\056\110\145\154\145\156\151\143 $$ \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\164\151\164\151\164\151$

\157\156\163\040\103\101\061\044\060\042\006\003\125\004\003\014 \033\110\101\122\111\103\101\040\124\114\123\040\122\123\101\040 \122\157\157\164\040\103\101\040\062\060\062\061\060\036\027\015 \062\061\060\062\061\071\061\060\065\065\063\070\132\027\015\064 \065\060\062\061\063\061\060\065\065\063\067\132\060\154\061\013 $\label{eq:condition} $$ \000\01\000\023\002\107\122\061\067\060\065\006 $$$ \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 $\\ 141\\162\\143\\150\\040\\111\\1156\\163\\164\\151\\164\\165\\164\\151\\157\\156$ \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\002\042\060\015 \006\011\052\206\110\206\367\015\001\001\001\005\000\003\202\002 $\label{eq:condition} $$ \0.017\0.00\0.60\2.02\0.012\0.02\2.002\0.01\0.00\2.13\3.02\3.47\2.57\1.45 $$$ $\verb|233|005|147|226|311|015|044|271|320|016|144|374|316|342|044|030|$ \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 $\label{eq:condition} $$ \014\230\342\043\035\321\116\143\324\347\270\101\104\373\153\257 $$$ \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 $\label{eq:condition} $$ \frac{343}244\frac{36}072\frac{36}163\frac{230}007\frac{352}{137}002\frac{62}336014$ \245\263\237\256\251\035\267\035\263\374\212\131\347\156\162\145 \255\365\060\224\043\007\363\202\026\113\065\230\234\123\273\057 \312\344\132\331\307\215\035\374\230\231\373\054\244\202\153\360 \052\037\216\013\137\161\134\134\256\102\173\051\211\201\313\003 \243\231\312\210\236\013\100\011\101\063\333\346\130\172\375\256 \231\160\300\132\017\326\023\206\161\057\166\151\374\220\335\333 \055\156\321\362\233\365\032\153\236\157\025\214\172\360\113\050 \240\042\070\200\044\154\066\244\073\362\060\221\363\170\023\317 \301\077\065\253\361\035\021\043\265\103\042\236\001\222\267\030 \002\345\021\321\202\333\025\000\314\141\067\301\052\174\232\341 \320\272\263\120\106\356\202\254\235\061\370\373\043\342\003\000 \110\160\243\011\046\171\025\123\140\363\070\134\255\070\352\201 \000\143\024\271\063\136\335\013\333\240\105\007\032\063\011\370 \115\264\247\002\246\151\364\302\131\005\210\145\205\126\256\113 \313\340\336\074\175\055\032\310\351\373\037\243\141\112\326\052 $\label{eq:condition} $$ \023\25\167\114\032\030\233\221\017\130\330\006\124\305\227\370 $$$ \252\077\040\212\246\205\246\167\366\246\374\034\342\356\156\224 \063\052\203\120\204\012\345\117\206\370\120\105\170\000\201\353 \133\150\343\046\215\314\173\134\121\364\024\054\100\276\032\140 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \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

\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 $\label{eq:condition} $$ \frac{137}136\\120\\275\\150\\226\\220\\244\\024\\024\\021\\252\\150\\155\\011\\065\\071$ \100\011\332\364\011\054\064\245\173\131\204\111\051\227\164\310 \007\036\107\155\362\316\034\120\046\343\236\075\100\123\077\367 \177\226\166\020\305\106\245\320\040\113\120\364\065\073\030\364 \125\152\101\033\107\006\150\074\273\011\010\142\331\137\125\102 \252\254\123\205\254\225\126\066\126\253\344\005\214\305\250\332 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \frac{321}{315}\frac{262}{353}\frac{054}{123}\frac{302}{123}\frac{170}{112}\frac{117}{004}\frac{224}{101}\frac{232}{217}$ $\\ \langle 047 \rangle 062 \rangle 301 \rangle 345 \rangle 111 \rangle 031 \rangle 277 \rangle 361 \rangle 362 \rangle 302 \rangle 213 \rangle 250 \rangle 012 \rangle 071 \rangle 061 \rangle 050$ \264\175\142\066\054\115\354\037\063\266\176\167\155\176\120\360 \237\016\327\021\217\317\030\305\343\047\376\046\357\005\235\317 \317\067\305\320\173\332\073\260\026\204\014\072\223\326\276\027 \333\017\076\016\031\170\011\307\251\002\162\042\113\367\067\166 $\label{eq:condition} $$ \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

```
# 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
\label{eq:condition} $$ \002\05\005\202\372\210\316\024\014\006\171\336\177\024\020\351 $$
\105\327\245\155
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\label{eq:condition} $$ 145\107\233\130\206\335\054\360\374\242\204\037\036\226\304\221 $$
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
\label{eq:condition} $$ \frac{151}143\\040\\101\\1143\\141\\144\\145\\155\\151\\143\\040\\141\\156\\144\\040
\122\145\163\145\141\162\143\150\040\111\156\163\164\151\164\165
\101\040\122\157\157\164\040\103\101\040\062\060\062\061
END
CKA SERIAL NUMBER
MULTILINE OCTAL
\label{eq:condition} $$ \002\020\071\312\222\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
```

After: Mon Feb 13 10:55:37 2045

CK OBJECT 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"

 ${\tt CKA_CERTIFICATE_TYPE\ CK_CERTIFICATE_TYPE\ CKC_X_509}$

CKA SUBJECT MULTILINE OCTAL

 $\label{eq:condition} $$ \000\154\001\006\003\125\004\006\023\002\107\122\061 $$ \0067\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\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

 $\label{eq:condition} $$ \000154\001\006\003\125\004\006\023\002\107\122\061\0067\060\065\006\003\125\004\012\014\056\110\145\154\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\066\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 $\label{eq:condition} $$ \040\103\101\061\044\060\042\006\003\125\004\003\014\033\110\101 $$$ \164\040\103\101\040\062\060\062\061\060\036\027\015\062\061\060 \062\061\071\061\061\060\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 \145\155\151\143\040\141\156\144\040\122\145\163\145\141\162\143 \150\040\111\156\163\164\151\164\165\164\151\157\156\163\040\103 \101\061\044\060\042\006\003\125\004\003\014\033\110\101\122\111

\103\101\040\124\114\123\040\105\103\103\040\122\157\157\164\040 \103\101\040\062\060\062\061\060\166\060\020\006\007\052\206\110 \316\075\002\001\006\005\053\201\004\000\042\003\142\000\004\070 $\label{eq:condition} $$ \010\376\261\240\226\322\172\254\257\111\072\320\300\340\303\073$ $\label{eq:condition} $$ \050\252\361\162\155\145\000\107\210\204\374\232\046\153\252\113$$ \272\154\004\012\210\136\027\362\125\207\374\060\260\064\342\064 \130\127\032\204\123\351\060\331\251\362\226\164\303\121\037\130 $\label{eq:condition} $$ \frac{111 \cdot 061 \cdot 314 \cdot 230 \cdot 116 \cdot 140 \cdot 021 \cdot 207 \cdot 165 \cdot 323 \cdot 162 \cdot 224 \cdot 220 \cdot 117 \cdot 233 \cdot 020 }{111 \cdot 061 \cdot 314 \cdot 230 \cdot 116 \cdot 140 \cdot 021 \cdot 207 \cdot 165 \cdot 323 \cdot 162 \cdot 224 \cdot 220 \cdot 117 \cdot 233 \cdot 020 }$ $\label{eq:condition} $$ \052\250\170\055\276\220\101\130\220\025\162\247\241\267\243 $$$ \102\060\100\060\017\006\003\125\035\023\001\001\377\004\005\060 $\label{eq:condition} $$ \003\001\001\377\060\035\006\003\125\035\016\004\026\004\024\311 $$$ $\label{eq:condition} $$ \031\23\201\022\376\004\325\026\321\252\274\232\157\267\240\225$ \031\156\312\060\016\006\003\125\035\017\001\001\377\004\004\003 $\label{eq:condition} $$ \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

 $\label{eq:condition} $$ \274\260\301\235\351\230\222\160\031\070\127\351\215\247\264\135$$

\156\356\001\110

END

 ${\sf CKA_CERT_MD5_HASH\ MULTILINE_OCTAL}$

\256\367\114\345\146\065\321\267\233\214\042\223\164\323\113\260

```
END
CKA ISSUER MULTILINE OCTAL
\label{eq:condition} $$ \060\154\061\013\060\011\006\003\125\004\006\023\002\107\122\061$$
\\ \\067\\ \\060\\ \\065\\ \\006\\ \\003\\ \\125\\ \\004\\ \\012\\ \\014\\ \\056\\ \\110\\ \\145\\ \\154\\ \\154\\ \\145\\ \\156
\label{eq:condition} $$ \frac{151}143\\040\\101\\1143\\141\\144\\145\\155\\151\\143\\040\\141\\156\\144\\040
\122\145\163\145\141\162\143\150\040\111\156\163\164\151\164\165
\164\151\157\156\163\040\103\101\061\044\060\042\006\003\125\004
\103\040\122\157\157\164\040\103\101\040\062\060\062\061
END
CKA_SERIAL_NUMBER
MULTILINE_OCTAL
\002\020\147\164\235\215\167\330\073\152\333\042\364\377\131\342
\277\316
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA TRUST CODE SIGNING CK TRUST CKT NSS MUST VERIFY TRUST
{\tt CKA\_TRUST\_STEP\_UP\_APPROVED\ CK\_BBOOL\ CK\_FALSE}
#
# Certificate "HARICA Client RSA Root CA 2021"
# Issuer: CN=HARICA Client RSA Root CA 2021,O=Hellenic Academic and Research Institutions CA,C=GR
# Serial Number:55:52:f8:1e:db:1b:24:2c:9e:bb:96:18:cd:02:28:3e
# Subject: CN=HARICA
Client RSA Root CA 2021,O=Hellenic Academic and Research Institutions CA,C=GR
# Not Valid Before: Fri Feb 19 10:58:46 2021
# Not Valid After: Mon Feb 13 10:58:45 2045
# Fingerprint (SHA-256):
1B:E7:AB:E3:06:86:B1:63:48:AF:D1:C6:1B:68:66:A0:EA:7F:48:21:E6:7D:5E:8A:F9:37:CF:80:11:BC:75:0D
# Fingerprint (SHA1): 46:C6:90:0A:77:3A:B6:BC:F4:65:AD:AC:FC:E3:F7:07:00:6E:DE:6E
CKA CLASS CK OBJECT CLASS CKO CERTIFICATE
CKA TOKEN CK BBOOL CK TRUE
CKA PRIVATE CK BBOOL CK FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA LABEL UTF8 "HARICA Client RSA Root CA 2021"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\label{eq:condition} $$ \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
```

\061 END

\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 CKA ID

UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

 $\label{eq:condition} $$ \000157\061\013\060\011\006\003\125\004\006\023\002\107\122\061 \\ \0067\060\065\006\003\125\004\012\014\056\110\145\154\154\154\155\156\151\143\040\141\156\144\040 \\ \151\143\040\101\143\141\144\145\155\151\143\040\141\156\164\151\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\0661$

END

CKA SERIAL NUMBER MULTILINE OCTAL

 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \015\006\011\052\206\110\206\367\015\001\001\013\005\000\060\157 $$$ \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 \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 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \053\317\236\126\154\053\124\317\134\232\145\337\133\213\110\140 $$$ \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 $\label{eq:condition} $$ 144\235\277\263\070\161\061\104\362\107\270\242\146\101\241\373$ \233\173\274\307\106\152\165\277\132\242\214\350\152\104\301\270 \226\265\300\062\010\055\173\164\065\163\262\312\306\376\257\021 \162\030\366\347\310\302\317\245\052\352\173\326\131\350\174\240 \262\152\100\011\151\016\245\226\333\321\000\271\361\210\156\066 \360\210\262\235\361\122\362\303\174\277\060\211\074\012\151\371 \042\244\145\341\233\340\164\306\261\205\227\226\054\256\224\217 \120\246\071\022\037\276\107\362\201\170\323\165\066\236\175\132 $\label{eq:condition} $$ \040\227\342\122\256\231\237\306\174\233\146\363\376\330\317\356$$ \275\227\006\035\055\205\334\076\066\123\226\173\040\272\350\310 \341\255\226\142\076\021\174\263\000\204\236\247\114\161\253\112 $\label{eq:condition} $$ \067\002\003\001\000\001\243\102\060\100\060\017\006\003\125\035$$ \023\001\001\377\004\005\060\003\001\001\377\060\035\006\003\125 \035\016\004\026\004\024\240\326\007\075\136\044\367\173\240\104 \056\044\122\015\031\252\053\004\221\247\060\016\006\003\125\035 \017\001\001\377\004\004\003\002\001\206\060\015\006\011\052\206 \110\206\367\015\001\001\013\005\000\003\202\002\001\000\015\107 \371\011\146\061\122\354\171\356\302\250\362\150\076\355\226\105 \313\072\246\230\143\077\352\053\115\116\003\320\034\202\341\313 $\label{eq:condition} $$ 323\345\326\253\133\147\050\274\235\376\014\231\012\200\125\247 $$$ \316\033\043\141\015\260\127\360\376\340\312\276\346\220\333\203 \054\276\203\216\364\171\266\376\320\015\102\247\130\037\151\352 \201\365\005\245\376\106\150\353\154\170\311\340\352\347\346\336 \061\305\322\325\054\202\143\050\235\135\250\032\176\210\346\347 \053\361\054\325\320\005\236\334\055\275\067\146\324\004\242\247 \255\277\072\302\250\073\255\377\215\235\063\340\271\232\204\241 $\label{eq:condition} $$ \207\037\166\364\202\164\327\016\371\060\110\076\133\210\076\252 $$$ $\label{eq:condition} $$ 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

 $\label{eq:control_loss} $$ \frac{301076}{231}365\frac{226}{230}070\frac{110045}{241}025\frac{260}{033}327 \\ \frac{232}{204}030\frac{33}{366}\frac{161}{065}232\frac{150}{173}\frac{100}{314}030\frac{134}{014}044 \\ \frac{235}{324}225\frac{365}{231}252\frac{106}{352}256\frac{254}{277}\frac{364}{024}031\frac{4350}{214}354\frac{343}{365}274\frac{006}{150}212\frac{052}{014}005\frac{137}{012}227\frac{165}{247} \\ \frac{334}{176}\frac{300}{375}\frac{327}{172}\frac{030}{337}\frac{360}{321}\frac{1070}{113}\frac{037}{260}\frac{230}{160} \\ \frac{277}{314}\frac{174}{163}\frac{360}{156}\frac{304}{061}\frac{245}{244}\frac{227}{035}\frac{254}{277}\frac{316}{154} \\ \frac{041}{112}\frac{276}{047}\frac{43}{147}\frac{363}{006}\frac{126}{201}\frac{221}{216}\frac{266}{341}\frac{310}{03} \\ \frac{005}{063}\frac{3054}{332}\frac{32064}{010}\frac{115}{116}\frac{120}{043}\frac{255}{352}\frac{3335}{117}\frac{371}{347}\frac{347}{153}\frac{325}{306}\frac{210}{317}\frac{333}{345}\frac{47}{334}\frac{004}{126}\frac{156}{157}\frac{106}{125}\frac{361}{126}\frac{055}{350}\frac{134}{014}\frac{163}{303}\frac{303}{043}\frac{201}{070}\frac{40}{313}\frac{311}{014} \\ \frac{151}{317}\frac{317}{054}\frac{253}{073}\frac{204}{140}\frac{63}{031}\frac{122}{375}\frac{151}{024}\frac{63}{63} \\ 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

 $\label{eq:condition} $$ \frac{35}{35}134\frac{327}{210}\frac{314}{070}\frac{251}{334}\frac{351}{335}\frac{331}{135}\frac{333}{330}\frac{355}{335} $$$

END

CKA_ISSUER MULTILINE_OCTAL

 $\label{eq:condition} $$ \000157\061\013\060\011\006\003\125\004\006\023\002\107\122\061 $$ \067\060\065\006\003\125\004\012\014\056\110\145\154\154\154\155\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

 $\label{eq:condition} $$ \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\002\061 \150\331\330\341\142\127\036\322\031\104\210\346\020\175\360\060 $\label{eq:condition} $$ \012\006\010\052\206\110\316\075\004\003\003\060\157\061\013\060 $$$ \011\006\003\125\004\006\023\002\107\122\061\067\060\065\006\003 $\\ 141\\144\\145\\155\\151\\143\\040\\141\\156\\144\\040\\122\\145\\163\\145\\141$ \162\143\150\040\111\156\163\164\151\164\165\164\151\157\156\163 $\label{eq:condition} $$ \040\103\101\061\047\060\045\006\003\125\004\003\014\036\110\101$ \122\111\103\101\040\103\154\151\145\156\164\040\105\103\103\040 \122\157\157\164\040\103\101\040\062\060\062\061\060\036\027\015 \065\060\062\061\063\061\061\060\063\063\063\132\060\157\061\013 \060\011\006\003\125\004\006\023\002\107\122\061\067\060\065\006 $\\ \\003\\125\\004\\012\\014\\056\\110\\145\\154\\154\\154\\145\\156\\151\\143\\040\\101$ \143\141\144\145\155\151\143\040\141\156\144\040\122\145\163\145 \141\162\143\150\040\111\156\163\164\151\164\165\164\151\157\156 \163\040\103\101\061\047\060\045\006\003\125\004\003\014\036\110 \101\122\111\103\101\040\103\154\151\145\156\164\040\105\103\103 \040\122\157\157\164\040\103\101\040\062\060\062\061\060\166\060 \020\006\007\052\206\110\316\075\002\001\006\005\053\201\004\000 \042\003\142\000\004\007\030\255\225\226\224\320\134\017\202\367 $\label{eq:condition} $$ \052\100\372\002\311\311\075\066\246\243\004\152\301\155\225\001 $$$ \210\140\022\124\154\134\242\053\156\023\072\210\225\014\034\046 \206\066\112\211\031\267\030\336\073\350\250\120\037\312\337\133 \277\111\200\025\333\343\060\341\035\132\307\052\212\001\007\376 \155\054\064\357\050\050\227\274\301\371\127\206\225\213\065\317 \236\132\321\150\225\243\102\060\100\060\017\006\003\125\035\023 \001\001\377\004\005\060\003\001\001\377\060\035\006\003\125\035 \016\004\026\004\024\122\010\322\276\062\201\045\375\365\032\227 \354\116\137\032\273\123\315\220\255\060\016\006\003\125\035\017 $\label{eq:condition} $$ \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

\122\145\163\145\141\162\143\150\040\111\156\163\164\151\164\165\164\151\156\163\040\103\101\061\047\060\045\006\003\125\004

100010141002111011011100111111100110110401100115411551145

 $\\ \begin{tabular}{l} $$ \003\014\036\110\101\122\111\103\101\040\103\154\151\145\156\164 \\ \end{tabular}$

 $\\ \\ 040\\ \\ 105\\ \\ 103\\ \\ 103\\ \\ 040\\ \\ 122\\ \\ 157\\ \\ 157\\ \\ 164\\ \\ 040\\ \\ 103\\ \\ 101\\ \\ 040\\ \\ 062\\ \\ 060\\ \\ 062\\ \\$

\061

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

 $\label{eq:condition} $$ \002\020\061\150\331\330\341\142\127\036\322\031\104\210\346\020 $$$

\175\360

END

 ${\tt CKA_TRUST_SERVER_AUTH\ CK_TRUST\ CKT_NSS_MUST_VERIFY_TRUST}$

CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

CKA_TRUST_STEP_UP_APPROVED

CK_BBOOL CK_FALSE

#

```
# Certificate "Autoridad de Certificacion Firmaprofesional CIF A62634068"
```

#

Issuer: CN=Autoridad de Certificacion Firmaprofesional CIF A62634068,C=ES

Serial Number:1b:70:e9:d2:ff:ae:6c:71

Subject: CN=Autoridad de Certificacion Firmaprofesional CIF A62634068,C=ES

Not Valid Before: Tue Sep 23 15:22:07 2014

Not Valid After: Mon May 05 15:22:07 2036

Fingerprint (SHA-256):

57:DE:05:83:EF:D2:B2:6E:03:61:DA:99:DA:9D:F4:64:8D:EF:7E:E8:44:1C:3B:72:8A:FA:9B:CD:E0:F9:B2:6A

Fingerprint (SHA1): 0B:BE:C2:27:22:49:CB:39:AA:DB:35:5C:53:E3:8C:AE:78:FF:B6:FE

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE

CKA_TOKEN CK_BBOOL CK_TRUE

CKA PRIVATE CK BBOOL CK FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "Autoridad de Certificacion Firmaprofesional CIF A62634068"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL

\060\121\061\013\060\011\006\003\125\004\006\023\002\105\123\061

\102\060\100\006\003\125\004\003\014\071\101\165\164\157\162\151

 $\\ 144 \\ 141 \\ 144 \\ 040 \\ 144 \\ 145 \\ 040 \\ 103 \\ 145 \\ 162 \\ 164 \\ 151 \\ 146 \\ 151 \\ 143 \\ 141 \\$

\143\151\157\156\040\106\151\162\155\141\160\162\157\146\145\163

\151\157\156\141\154\040\103\111\106\040\101\066\062\066\063\064

\060\066\070

END

CKA_ID

UTF8 "0"

CKA ISSUER MULTILINE OCTAL

\060\066\070

END

CKA SERIAL NUMBER MULTILINE OCTAL

\002\010\033\160\351\322\377\256\154\161

END

CKA_VALUE MULTILINE_OCTAL

\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 $\label{eq:locality} $$ 162\155\141\160\162\157\146\145\163\151\157\156\141\154\040\103$$ \111\106\040\101\066\062\066\063\064\060\066\070\060\202\002\042 $\label{eq:condition} $$ \006\011\052\206\110\206\367\015\001\001\001\005\000\003$ \202\002\017\000\060\202\002\012\002\202\002\001\000\312\226\153 \216\352\370\373\361\242\065\340\177\114\332\340\303\122\327\175 \266\020\310\002\136\263\103\052\304\117\152\262\312\034\135\050 \232\170\021\032\151\131\127\257\265\040\102\344\213\017\346\337 \133\246\003\222\057\365\021\344\142\327\062\161\070\331\004\014 $\label{eq:condition} $$ 161\253\075\121\176\017\007\337\143\005\134\351\277\224\157\301 $$$ \051\202\300\264\332\121\260\301\074\273\255\067\112\134\312\361 \113\066\016\044\253\277\303\204\167\375\250\120\364\261\347\306 $\label{eq:condition} $$ \057\322\055\131\215\172\012\116\226\151\122\002\252\066\230\354$$ \374\372\024\203\014\067\037\311\222\067\177\327\201\055\345\304 $\label{eq:condition} $$ \271\340\076\064\376\147\364\076\146\321\323\364\100\317\136\142 $$$ \064\017\160\006\076\040\030\132\316\367\162\033\045\154\223\164 \024\223\243\163\261\016\252\207\020\043\131\137\040\005\031\107 \355\150\216\222\022\312\135\374\326\053\262\222\074\040\317\341 \137\257\040\276\240\166\177\166\345\354\032\206\141\063\076\347 \173\264\077\240\017\216\242\271\152\157\271\207\046\157\101\154 \210\246\120\375\152\143\013\365\223\026\033\031\217\262\355\233 \233\311\220\365\001\014\337\031\075\017\076\070\043\311\057\217 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \226\223\331\225\006\170\061\150\236\067\006\073\200\211\105\141 $$$ $\label{eq:condition} $$ \071\043\307\033\104\243\025\345\034\370\222\060\273\002\003\001 $$$ \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 $\\ \langle 040 \rangle 000 \rangle 060 \rangle 201 \rangle 217 \rangle 060 \rangle 057 \rangle 006 \rangle 010 \rangle 053 \rangle 006 \rangle 001 \rangle 005 \rangle 007 \rangle 002$ \001\026\043\150\164\164\160\072\057\057\167\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 $\label{eq:condition} $$ \000\157\000\156\000\141\000\156\000\157\000\166\000\141\000\040 $$$ \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 $\label{eq:condition} $$ \000\061\000\067\060\016\000\003\125\035\017\001\001\377\004\004$ \003\002\001\006\060\015\006\011\052\206\110\206\367\015\001\001 \013\005\000\003\202\002\001\000\164\207\050\002\053\167\037\146 \211\144\355\217\164\056\106\034\273\250\370\370\013\035\203\266 \072\247\350\105\212\007\267\340\076\040\313\341\010\333\023\010 \370\050\241\065\262\200\263\013\121\300\323\126\232\215\063\105 $\label{eq:condition} $$ \frac{111}257\frac{340}340\sqrt{075}\sqrt{07172}\frac{32}{377}\frac{310}227\sqrt{330}\frac{323}{377}$ \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 $\label{eq:condition} $$ \205\366\275\064\370\100\170\142\020\160\072\276\175\113\071\201 $$$ \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 $\label{eq:condition} $$ \202\235\255\307\173\157\377\200\226\351\370\215\152\275\030\220 $$$ \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 $\label{eq:local_$ \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 $\label{eq:condition} $$ \031\272\204\147\047\017\274\102\135\275\044\124\015\354\035\160$$$ \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

```
# 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
\label{eq:condition} $$ \013\276\302\047\042\111\313\071\252\333\065\134\123\343\214\256
\170\377\266\376
END
CKA_CERT_MD5_HASH
MULTILINE OCTAL
\116\156\233\124\114\312\267\372\110\344\220\261\025\113\034\243
END
CKA ISSUER MULTILINE OCTAL
\label{eq:condition} $$ \060\121\061\013\060\011\006\003\125\004\006\023\002\105\123\061 $$
\label{eq:condition} $$ 102\060\100\006\003\125\004\003\014\071\101\165\164\157\162\151 $$
\144\141\144\040\144\145\040\103\145\162\164\151\146\151\143\141
\143\151\157\156\040\106\151\162\155\141\160\162\157\146\145\163
\151\157\156\141\154\040\103\111\106\040\101\066\062\066\063\064
\060\066\070
END
CKA SERIAL NUMBER MULTILINE OCTAL
\002\010\033\160\351\322\377\256\154\161
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
# Certificate "vTrus ECC Root CA"
# Issuer: CN=vTrus ECC Root CA,O="iTrusChina Co.,Ltd.",C=CN
# Serial Number:6e:6a:bc:59:aa:53:be:98:39:67:a2:d2:6b:a4:3b:e6:6d:1c:d6:da
Subject: CN=vTrus ECC Root CA,O="iTrusChina Co.,Ltd.",C=CN
# Not Valid Before: Tue Jul 31 07:26:44 2018
# Not Valid After: Fri Jul 31 07:26:44 2043
# Fingerprint (SHA-256):
30:FB:BA:2C:32:23:8E:2A:98:54:7A:F9:79:31:E5:50:42:8B:9B:3F:1C:8E:EB:66:33:DC:FA:86:C5:B2:7D:D3
# Fingerprint (SHA1): F6:9C:DB:B0:FC:F6:02:13:B6:52:32:A6:A3:91:3F:16:70:DA:C3:E1
```

Serial Number:1b:70:e9:d2:ff:ae:6c: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 "vTrus ECC Root CA"

 ${\tt CKA_CERTIFICATE_TYPE\ CK_CERTIFICATE_TYPE\ CKC_X_509}$

CKA SUBJECT MULTILINE OCTAL

 $\label{eq:condition} $$ \000107\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

 $\label{eq:condition} $$ \000107\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

\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 $\label{eq:condition} $$ 107\061\013\060\011\006\003\125\004\006\023\002\103\116\061\034$ \060\032\006\003\125\004\012\023\023\151\124\162\165\163\103\150 \151\156\141\040\103\157\056\054\114\164\144\056\061\032\060\030 \006\003\125\004\003\023\021\166\124\162\165\163\040\105\103\103 \040\122\157\157\164\040\103\101\060\036\027\015\061\070\060\067 \063\061\060\067\062\066\064\064\132\027\015\064\063\060\067\063 \061\060\067\062\066\064\064\132\060\107\061\013\060\011\006\003 \125\004\006\023\002\103\116\061\034\060\032\006\003\125\004\012 $\label{eq:condition} $$ \023\023\151\124\162\165\163\103\150\151\156\141\040\103\157\056$$ \054\114\164\144\056\061\032\060\030\006\003\125\004\003\023\021 \166\124\162\165\163\040\105\103\103\040\122\157\157\164\040\103 $\label{eq:condition} $$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

 $\label{eq:control_loss} $$ 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\003\0003\0001\001\377\060\012\006\0012\006\0003\125\035\126\361\307\343\351\270\111\120\153\223\151\303\157\235\351\26\361\307\343\351\270\111\120\153\223\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

 $\label{eq:condition} $$ \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

 $\label{eq:condition} $$ \336\13\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

 $\label{eq:condition} $$ \034\060\032\006\003\125\004\012\023\023\151\124\162\165\163\103$

 $\label{eq:condition} $$ 150\151\156\141\040\103\157\056\054\114\164\144\056\061\032\060$$

 $\label{eq:condition} $$ \0000003\125\004\003\023\021\166\124\162\165\163\040\105\103$

\103\040\122\157\157\164\040\103\101

END

```
\label{eq:condition} $$ \002\024\156\152\274\131\252\123\276\230\071\147\242\322\153\244 $$
\073\346\155\034\326\332
END
CKA_TRUST_SERVER_AUTH
CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA TRUST EMAIL PROTECTION CK TRUST CKT NSS MUST VERIFY TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
# Certificate "vTrus Root CA"
# Issuer: CN=vTrus Root CA,O="iTrusChina Co.,Ltd.",C=CN
# Serial Number:43:e3:71:13:d8:b3:59:14:5d:b7:ce:8c:fd:35:fd:6f:bc:05:8d:45
# Subject: CN=vTrus Root CA,O="iTrusChina Co.,Ltd.",C=CN
# Not Valid Before: Tue Jul 31 07:24:05 2018
# Not Valid After: Fri Jul 31 07:24:05 2043
# Fingerprint (SHA-256):
8A:71:DE:65:59:33:6F:42:6C:26:E5:38:80:D0:0D:88:A1:8D:A4:C6:A9:1F:0D:CB:61:94:E2:06:C5:C9:63:87
# Fingerprint (SHA1): 84:1A:69:FB:F5:CD:1A:25:34:13:3D:E3:F8:FC:B8:99:D0:C9:14:B7
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA PRIVATE CK BBOOL CK FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA LABEL UTF8 "vTrus Root CA"
CKA CERTIFICATE TYPE
CK_CERTIFICATE_TYPE CKC_X_509
CKA SUBJECT MULTILINE OCTAL
\060\103\061\013\060\011\006\003\125\004\006\023\002\103\116\061
\label{eq:condition} $$ \034\060\032\006\003\125\004\012\023\023\151\124\162\165\163\103
\150\151\156\141\040\103\157\056\054\114\164\144\056\061\026\060
\024\006\003\125\004\003\023\015\166\124\162\165\163\040\122\157
\157\164\040\103\101
END
CKA ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\103\061\013\060\011\006\003\125\004\006\023\002\103\116\061
\label{eq:condition} $$ \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
```

CKA SERIAL NUMBER MULTILINE OCTAL

\060\202\005\126\060\202\003\076\240\003\002\001\002\002\002\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 $\label{eq:condition} $$ 163\103\150\151\156\141\040\103\157\056\054\114\164\144\056\061$$ \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 $\label{eq:condition} $$ \061\060\067\062\064\060\065\132\027\015\064\063\060\067\063\061 $$$ \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 $\label{eq:condition} $$ \023\151\124\162\165\163\103\150\151\156\141\040\103\157\056\054$$$ \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 $\label{eq:condition} $$ \006\011\052\206\110\206\367\015\001\001\001\005\000\003$ \202\002\017\000\060\202\002\012\002\202\002\001\000\275\125\174 \141\323\270\035\004\142\005\240\256\154\267\160\264\101\352\113 \003\136\020\077\220\132\034\213\073\260\146\213\154\110\246\034 \042\272\325\100\222\356\063\262\043\131\311\216\274\130\332\213 \236\320\031\362\057\131\306\214\143\132\272\237\243\013\260\263 \232\134\272\021\270\022\351\014\273\317\156\154\200\207\051\024 \003\054\215\044\232\310\144\203\265\152\254\023\054\063\361\237 $\label{eq:condition} $\334\054\141\074\032\077\160\125\233\255\000\122\177\317\004\271$ \376\066\372\234\300\026\256\142\376\226\114\103\176\125\024\276 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \016\127\112\145\327\373\242\200\140\374\114\274\065\123\001\152$$ \227\162\202\257\361\035\160\350\234\365\357\136\302\154\307\107 $\label{eq:condition} $$ \frac{176}{132}224\\205\\046\\115\\073\\272\\353\\114\\350\\260\\011\\302\\145\\302$ \235\235\011\233\116\265\227\005\254\365\006\240\367\066\005\176 \364\220\262\153\304\264\371\144\352\351\032\012\310\015\250\355 \047\311\324\347\263\271\253\202\042\220\047\075\052\350\174\220 \357\274\117\375\342\012\044\247\336\145\044\244\135\352\300\166 \060\323\167\120\370\015\004\233\224\066\001\163\312\006\130\246 \323\073\334\372\004\106\023\125\212\311\104\107\270\121\071\032 \056\350\064\342\171\313\131\112\012\177\274\246\357\037\003\147 $\label{eq:condition} $$ \frac{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 $\label{eq:condition} $$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 $\label{eq:condition} $$ \001\01\013\005\000\003\202\002\001\000\051\272\222\111\247\255 $$$ \360\361\160\303\344\227\360\237\251\045\325\153\236\064\376\346 $\label{eq:condition} $$ \032\144\366\072\153\122\262\020\170\032\237\114\332\212\332\354$$ \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 $\label{eq:condition} $$ 166\160\120\244\376\267\012\160\325\240\064\361\165\327\115\111 $$$ \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 $\label{eq:condition} $$ \227\326\217\005\343\365\233\116\312\035\120\107\005\123\260\312$ \071\347\205\240\211\301\005\073\001\067\323\077\111\342\167\353 $\label{eq:condition} $$ \043\310\210\146\073\075\071\166\041\106\361\354\137\043\270\353$ \242\146\165\164\301\100\367\330\150\232\223\342\055\251\056\275 \034\243\036\310\164\306\244\055\172\040\253\073\270\260\106\375 \157\335\137\122\125\165\142\360\227\240\174\327\070\375\045\337 \315\240\233\020\317\213\270\070\136\136\305\264\246\002\066\241 \036\137\034\317\342\226\235\051\252\375\230\256\122\341\363\101 \122\373\251\056\162\226\237\047\343\252\163\175\370\032\043\146 \173\073\253\145\260\062\001\113\025\076\075\242\117\014\053\065 \242\306\331\147\022\065\060\315\166\056\026\263\231\236\115\117 \116\055\073\064\103\341\232\016\015\244\146\227\272\322\034\112 \114\054\052\213\213\201\117\161\032\251\335\134\173\173\010\305 \000\015\067\100\343\174\173\124\137\057\205\137\166\366\367\247 \260\034\127\126\301\162\350\255\242\257\215\063\111\272\037\212 $334\346\164\174\140\206\157\207\227\173$

END

CKA_NSS_MOZILLA_CA_POLICY

CK_BBOOL CK_TRUE

CKA_NSS_SERVER_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
\label{eq:condition} $$ \060\103\061\013\060\011\006\003\125\004\006\023\002\103\116\061 $$
\034\060\032\006\003\125\004\012\023\023\151\124\162\165\163\103
\150\151\156\141\040\103\157\056\054\114\164\144\056\061\026\060
\024\006\003\125\004\003\023\015\166\124\162\165\163\040\122\157
\157\164\040\103\101
END
CKA SERIAL NUMBER MULTILINE OCTAL
\002\024\103\343\161\023\330\263\131\024\135\267\316\214\375\065
\375\157\274\005\215\105
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA TRUST CODE SIGNING
CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
# Certificate "ISRG Root X2"
# Issuer: CN=ISRG Root X2,O=Internet Security Research Group,C=US
# Serial Number:41:d2:9d:d1:72:ea:ee:a7:80:c1:2c:6c:e9:2f:87:52
# Subject: CN=ISRG Root X2,O=Internet Security Research Group,C=US
# Not Valid Before: Fri Sep 04 00:00:00 2020
# Not Valid After: Mon Sep 17 16:00:00 2040
# Fingerprint (SHA-256):
69:72:9B:8E:15:A8:6E:FC:17:7A:57:AF:B7:17:1D:FC:64:AD:D2:8C:2F:CA:8C:F1:50:7E:34:45:3C:CB:14:70
# Fingerprint (SHA1): BD:B1:B9:3C:D5:97:8D:45:C6:26:14:55:F8:DB:95:C7:5A:D1:53:AF
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
```

CKA PRIVATE CK BBOOL CK FALSE

CKA MODIFIABLE CK BBOOL CK FALSE

CKA LABEL UTF8 "ISRG Root X2"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509 CKA SUBJECT MULTILINE OCTAL

 $\label{eq:condition} $$ \000\11\006\003\125\004\006\023\002\125\123\061 $$ \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

 $\label{eq:condition} $$ \000117\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\1122\145\163\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

 $\label{eq:condition} $$ \060\202\003\060\202\001\241\240\003\002\001\002\002\002\001\101$ \322\235\321\162\352\356\247\200\301\054\154\351\057\207\122\060 \012\006\010\052\206\110\316\075\004\003\003\060\117\061\013\060 $\label{eq:condition} $$ \004\003\125\004\006\023\002\125\123\061\051\060\047\006\003$ \125\004\012\023\040\111\156\164\145\162\156\145\164\040\123\145 \143\165\162\151\164\171\040\122\145\163\145\141\162\143\150\040 \107\162\157\165\160\061\025\060\023\006\003\125\004\003\023\014 \111\123\122\107\040\122\157\157\164\040\130\062\060\036\027\015 \062\060\060\060\071\060\064\060\060\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 $\label{eq:condition} $$ \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

 $\label{eq:control_state} $$ \odots on the control of the control$

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

 $\label{eq:condition} $$ \frac{323}236\\304\\036\\043\\074\\246\\337\\317\\243\\176\\155\\340\\024\\346\\345\\END$

CKA ISSUER MULTILINE OCTAL

 $\label{eq:condition} $$ \000117061013060011006003125004006023002125123061 $$ 0510600470060031250040120230401111156164145162156 $$ 145164040123145143165162151164171040122145163145 $$ 141162143150040107162157165160061025060023006003 $$ 125004003023014111123122107040122157157164040130 $$ 062$

```
CKA SERIAL NUMBER
MULTILINE OCTAL
\label{eq:condition} $$ \002\020\101\322\235\321\162\352\356\247\200\301\054\154\351\057$$
\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
\label{eq:condition} $$ \060\11\061\013\060\011\006\003\125\004\006\023\002\124\127\061 $$
\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
```

END

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

 $\label{eq:condition} $$ \060\202\005\152\060\202\003\122\240\003\002\001\002\002\002\0055$$ \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 $\label{eq:condition} $$ \061\013\060\011\006\003\125\004\006\023\002\124\127\061\043\060 $$$ \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 $\label{eq:condition} $$ 144\056\061\033\060\031\006\003\125\004\003\014\022\110\151\120 $$$ \113\111\040\122\157\157\164\040\103\101\040\055\040\107\061\060 $\label{eq:condition} $$ \036\027\015\061\071\060\062\062\062\060\071\064\066\060\064\132 $$$ $\label{eq:condition} $$ \027\015\063\067\061\062\063\061\061\065\065\071\065\071\132\060 $$$ \117\061\013\060\011\006\003\125\004\006\023\002\124\127\061\043 $\label{eq:condition} $$ \004\003\125\004\012\014\032\103\150\165\156\147\150\167 $$$ \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 $\label{eq:local_$ \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 $\label{eq:condition} $$ \000\364\036\177\122\163\062\014\163\344\275\023\164\243\324\060$$ \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 $\label{eq:condition} $$ \372\032\240\070\352\355\232\162\336\053\275\224\127\072\272\354$$ \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 $\label{eq:condition} $$ 35 \times 050 \times 074 \times 060 \times 114 \times 253 \times 343 \times 02 \times 61 \times 105 \times 104 \times 107 \times 340 \times 212 \times 105 \times 1$ $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \020\264\322\060\105\361\354\367\000\021\337\145\370\334\053\103$ \125\277\026\227\304\017\325\054\141\204\252\162\206\376\346\072 $\label{eq:condition} $$ \frac{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 $\label{eq:condition} $$ \035\016\004\026\004\024\362\167\027\372\136\250\376\366\075\161 $$$ \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 $\verb|251|323|257|165|307|124|317|072|034|004|231|042|254|304|021|342|$ \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 $\label{eq:condition} $$ \frac{310 \cdot 64 \cdot 137 \cdot 222 \cdot 003 \cdot 121 \cdot 171 \cdot 160 \cdot 246 \cdot 337 \cdot 313 \cdot 365 \cdot 231 \cdot 115 \cdot 171 \cdot 315}{310 \cdot 64 \cdot 137 \cdot 222 \cdot 1003 \cdot 121 \cdot 171 \cdot 160 \cdot 246 \cdot 337 \cdot 313 \cdot 365 \cdot 231 \cdot 115 \cdot 171 \cdot 315}$ \116\274\127\237\103\116\153\056\053\030\370\152\163\214\272\305 \065\357\071\152\101\036\317\161\250\242\262\206\007\133\072\311 \341\357\077\145\004\200\107\062\104\160\225\116\061\147\152\164 \133\020\105\165\352\260\237\320\346\065\376\116\237\213\314\053 \222\105\133\156\045\140\205\106\315\321\252\260\166\146\223\167 \226\276\203\276\070\266\044\116\046\013\314\355\172\126\032\340 \351\132\306\144\255\114\172\000\110\104\057\271\100\273\023\076 \276\025\170\235\205\201\112\052\127\336\325\031\103\332\333\312 \133\107\206\203\013\077\266\015\166\170\163\171\042\136\261\200 \037\317\276\321\077\126\020\230\053\225\207\241\037\235\144\024 \140\071\054\263\000\125\056\344\365\263\016\127\304\221\101\000 \234\077\350\245\337\352\366\377\310\360\255\155\122\250\027\253 \233\141\374\022\121\065\344\045\375\257\252\152\206\071 **END**

CKA_NSS_MOZILLA_CA_POLICY
CK_BBOOL CK_TRUE
CKA_NSS_SERVER_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
\label{eq:condition} $$ \frac{354}{222}\frac{344}{250}\frac{356}{333}\frac{354}{226}\frac{105}{067}\frac{343}{051}\frac{127}{111}\frac{315}{226} $$
\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
\\ \langle 043 \rangle 060 \rangle 041 \rangle 006 \rangle 003 \rangle 125 \rangle 004 \rangle 012 \rangle 014 \rangle 032 \rangle 103 \rangle 150 \rangle 165 \rangle 156 \rangle 147 \rangle 150 \rangle 165 \rangle 
\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

END

CKA ID UTF8 "0"

CKA ISSUER MULTILINE OCTAL

END

CKA_SERIAL_NUMBER

MULTILINE_OCTAL

 $\label{eq:condition} $$ \002\015\002\003\345\176\365\077\223\375\245\011\041\262\246$$

END

CKA_VALUE MULTILINE_OCTAL

\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 $\label{eq:condition} $$ \056\071\031\034\003\244\256\232\345\071\007\011\026\312\143\261 $$$ $\label{eq:condition} $$ \271\206\370\212\127\301\127\316\102\372\163\241\367\145\102\377 $$$ \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 $\label{eq:condition} $$ \035\023\001\001\377\004\005\060\003\001\001\377\060\035\006\003$ \125\035\016\004\026\004\024\124\260\173\255\105\270\342\100\177 \373\012\156\373\276\063\311\074\243\204\325\060\012\006\010\052 \206\110\316\075\004\003\002\003\107\000\060\104\002\040\042\117 \164\162\271\140\257\361\346\234\240\026\005\120\137\303\136\073 \156\141\164\357\276\001\304\276\030\110\131\141\202\062\002\040 $\label{eq:condition} $$ \046\235\124\143\100\336\067\140\120\317\310\330\355\235\202\256$$ $\\ \begin{tabular}{l} $\langle 067 \rangle 230 \rangle 274 \rangle 243 \rangle 217 \rangle 114 \rangle 1251 \rangle 64 \rangle 053 \rangle 154 \rangle 357 \rangle 373 \rangle 225 \rangle 233 \rangle 046 \rangle 1251 \rangle 1251$ **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 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

 $\\ \langle 046 \rangle 051 \rangle 370 \rangle 155 \rangle 341 \rangle 210 \rangle 277 \rangle 242 \rangle 145 \rangle 177 \rangle 252 \rangle 304 \rangle 315 \rangle 017 \rangle 177 \rangle 374$

END

CKA_ISSUER MULTILINE_OCTAL

\060\120\061\044\060\042\006\003\125\004\013\023\033\107\154\157\142\141\154\123\151\147\156\040\105\103\103\040\122\157\157\164\040\103\101\040\055\040\122\064\061\023\060\021\006\003\125\004

```
\012\023\012\107\154\157\142\141\154\123\151\147\156\061\023\060
\021\006\003\125\004\003\023\012\107\154\157\142\141\154\123\151
\147\156
END
CKA SERIAL NUMBER MULTILINE OCTAL
\002\015\002\003\345\176\365\077\223\375\245\011\041\262\246
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA TRUST CODE SIGNING CK TRUST CKT NSS MUST VERIFY TRUST
CKA_TRUST_STEP_UP_APPROVED
 CK_BBOOL CK_FALSE
# Certificate "GTS Root R1"
# Issuer: CN=GTS Root R1,O=Google Trust Services LLC,C=US
# Serial Number:02:03:e5:93:6f:31:b0:13:49:88:6b:a2:17
# Subject: CN=GTS Root R1,O=Google Trust Services LLC,C=US
# Not Valid Before: Wed Jun 22 00:00:00 2016
# Not Valid After: Sun Jun 22 00:00:00 2036
# Fingerprint (SHA-256):
D9:47:43:2A:BD:E7:B7:FA:90:FC:2E:6B:59:10:1B:12:80:E0:E1:C7:E4:E4:0F:A3:C6:88:7F:FF:57:A7:F4:CF
# Fingerprint (SHA1): E5:8C:1C:C4:91:3B:38:63:4B:E9:10:6E:E3:AD:8E:6B:9D:D9:81:4A
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA TOKEN CK BBOOL CK TRUE
CKA PRIVATE CK BBOOL CK FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA LABEL UTF8 "GTS Root R1"
CKA CERTIFICATE TYPE CK CERTIFICATE TYPE CKC X 509
CKA_SUBJECT MULTILINE_OCTAL
\060\107\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\042\060\040\006\003\125\004\012\023\031\107\157\157\147\154\145
\040\124\162\165\163\164\040\123\145\162\166\151\143\145\163\040
\114\114\103\061\024\060\022\006\003\125\004\003\023\013\107\124
\123\040\122\157\157\164\040\122\061
END
CKA ID
 UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\107\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\\ \\ \langle 042 \rangle 060 \rangle 040 \rangle 006 \rangle 003 \rangle 125 \rangle 004 \rangle 012 \rangle 023 \rangle 031 \rangle 107 \rangle 157 \rangle 147 \rangle 154 \rangle 145 \rangle 145 \rangle 147 
\040\124\162\165\163\164\040\123\145\162\166\151\143\145\163\040
\114\114\103\061\024\060\022\006\003\125\004\003\023\013\107\124
\123\040\122\157\157\164\040\122\061
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
```

\002\015\002\003\345\223\157\061\260\023\111\210\153\242\027

END

CKA VALUE MULTILINE OCTAL

\060\202\005\127\060\202\003\077\240\003\002\001\002\002\015\002 \003\345\223\157\061\260\023\111\210\153\242\027\060\015\006\011 \052\206\110\206\367\015\001\001\014\005\000\060\107\061\013\060 \011\006\003\125\004\006\023\002\125\123\061\042\060\040\006\003 \125\004\012\023\031\107\157\157\147\154\145\040\124\162\165\163 \164\040\123\145\162\166\151\143\145\163\040\114\114\103\061\024 \060\022\006\003\125\004\003\023\013\107\124\123\040\122\157\157 \164\040\122\061\060\036\027\015\061\066\060\066\062\062\060\060 \060\060\060\060\132\027\015\063\066\060\066\062\062\062\060\060 $\label{eq:condition} $$ \060\060\132\060\107\061\013\060\011\006\003\125\004\006\023$$$ \002\125\123\061\042\060\040\006\003\125\004\012\023\031\107\157 \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 $\\ \langle 042 \rangle 060 \rangle 015 \rangle 006 \rangle 011 \rangle 052 \rangle 206 \rangle 110 \rangle 206 \rangle 367 \rangle 015 \rangle 001 \rangle 001 \rangle 005 \rangle 000$ \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 $\\ \sqrt{074} 241 \sqrt{375} 202 \sqrt{371} 175 \sqrt{62} \sqrt{006} 202 \sqrt{161} \sqrt{366} \sqrt{214} \sqrt{177} \sqrt{373} \sqrt{350}$ \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 $\label{eq:condition} $$ \023\243\310\030\154\113\354\374\011\220\337\235\144\051\045\043$ $\label{eq:condition} $$ 0.007 \times 41 \times 64 \times 22 \times 0.005 \times 140 \times 340 \times 17 \times 22 \times 11 \times 207 \times 273 \times 15 \times 100 \times 60 \times 100 \times 10$ \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 $\label{eq:condition} $$ \011\262\340\172\214\056\165\326\234\353\247\126\144\217\226\117 $$$ \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 $\label{eq:condition} $$ \013\265\305\305\212\125\253\323\254\352\221\113\051\314\031\244$$ \062\045\116\052\361\145\104\320\002\316\252\316\111\264\352\237 $\label{eq:condition} $$ \frac{174\203\260\100\173\347\103\253\247\154\243\217\175\211\201\372}{175\211\201\372} $$$ \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 $\label{eq:condition} $$ \001\000\001\243\102\060\100\060\016\006\003\125\035\017\001\001$ \377\004\004\003\002\001\206\060\017\006\003\125\035\023\001\001 \377\004\005\060\003\001\001\377\060\035\006\003\125\035\016\004 $\\ \begin{tabular}{l} $\langle 026 \rangle 004 \rangle 024 \rangle 344 \rangle 257 \rangle 053 \rangle 046 \rangle 161 \rangle 032 \rangle 053 \rangle 110 \rangle 047 \rangle 205 \rangle 057 \rangle 122 \rangle 146 \rangle 026 \rangle 047 \rangle 047$ \054\357\360\211\023\161\076\060\015\006\011\052\206\110\206\367 $\label{eq:condition} $$ \013\233\276\377\036\226\222\056\076\242\145\112\152\230\272\042 $$$ \313\175\301\072\330\202\012\006\306\366\245\336\300\116\207\146 \171\241\371\246\130\234\252\371\265\346\140\347\340\350\261\036 \102\101\063\013\067\075\316\211\160\025\312\265\044\250\317\153 \265\322\100\041\230\317\042\064\317\073\305\042\204\340\305\016 \212\174\135\210\344\065\044\316\233\076\032\124\036\156\333\262 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \012\271\342\007\240\215\173\172\112\074\161\322\342\003\241\037 $$$ \062\007\335\033\344\102\316\014\000\105\141\200\265\013\040\131 $\label{eq:condition} $$ \051\170\275\371\125\313\143\305\074\114\364\266\377\333\152\137 $$$ \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 $\label{eq:condition} $$ \frac{376}{214}\frac{362}{160}\frac{065}{014}\frac{334}{231}\frac{031}{065}\frac{334}{327}\frac{10}{106} $$$ \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

```
# 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
\label{eq:condition} $$ 345 \times 14 \times 304 \times 221 \times 73 \times 70 \times 143 \times 13351 \times 20 \times 156 \times 343 \times 255 \times 216 \times 153 \times 160 \times 156 \times 
\235\331\201\112
END
CKA_CERT_MD5_HASH
  MULTILINE OCTAL
\005\376\320\277\161\250\243\166\143\332\001\340\330\122\334\100
END
CKA ISSUER MULTILINE OCTAL
\label{eq:condition} $$ \060\107\061\013\060\011\006\003\125\004\006\023\002\125\123\061 $$
\\ \\ \langle 042 \rangle 060 \rangle 040 \rangle 006 \rangle 003 \rangle 125 \rangle 004 \rangle 012 \rangle 023 \rangle 031 \rangle 107 \rangle 157 \rangle 147 \rangle 147 \rangle 145 \rangle 145 \rangle 145 \rangle 145 \rangle 145 \rangle 145 \rangle 147 
\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
```

Serial Number:02:03:e5:93:6f:31:b0:13:49:88:6b:a2:17

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

 $\label{eq:condition} $$ \00107\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

END

CKA SERIAL NUMBER

MULTILINE_OCTAL

 $\label{eq:condition} $$ \002\015\002\03\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 $\label{eq:condition} $$ 164\040\123\145\162\166\151\143\145\163\040\114\114\103\061\024$$ \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\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 $\label{eq:condition} $$ \023\013\107\124\123\040\122\157\157\164\040\122\062\060\202\002$ $\\ \langle 042 \rangle 060 \rangle 015 \rangle 006 \rangle 011 \rangle 052 \rangle 206 \rangle 110 \rangle 206 \rangle 367 \rangle 015 \rangle 001 \rangle 001 \rangle 005 \rangle 000$ \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 $\label{eq:condition} $$ \frac{177}324\\141\\017\\121\\113\\074\\077\\214\\332\\341\\160\\164\\330\\302\\150$ \241\371\301\014\351\241\342\177\273\125\074\166\006\356\152\116 \314\222\210\060\115\232\275\117\013\110\232\204\265\230\243\325 $\label{eq:condition} $$ \sqrt{373} \frac{301}{127} \frac{141}{335} \frac{050}{126} \frac{165}{023} \frac{256}{207} \frac{216}{347} \frac{141}{121}$ $\label{eq:condition} $$ \011\020\165\210\114\274\215\371\173\074\324\042\110\037\052\334$ \353\153\273\104\261\313\063\161\062\106\257\255\112\361\214\350 \164\072\254\347\032\042\163\200\322\060\367\045\102\307\042\073 $\label{eq:condition} $$ \073\022\255\226\056\306\303\166\007\252\040\267\065\111\127\351 $$$ \222\111\350\166\026\162\061\147\053\226\176\212\243\307\224\126 $\\ \langle 042 \rangle 277 \rangle 152 \rangle 113 \rangle 176 \rangle 001 \rangle 041 \rangle 262 \rangle 043 \rangle 062 \rangle 337 \rangle 344 \rangle 232 \rangle 104 \rangle 155 \rangle 131 \rangle 156 \rangle 157 \rangle$ \133\135\365\000\240\034\233\306\170\227\215\220\377\233\310\252 \264\257\021\121\071\136\331\373\147\255\325\133\021\235\062\232 $\label{eq:condition} $$ \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 \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 $\label{eq:condition} $$ \007\137\146\334\175\020\376\014\141\263\005\225\356\341\256\201 $$$ $\label{eq:condition} $$ \017\250\370\307\217\115\250\043\002\046\153\035\203\122\125\316$$ \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 $\label{eq:condition} $$ 365\370\213\306\356\061\072\045\121\125\147\215\144\062\173\351 $$$ \236\303\202\272\052\055\351\036\264\340\110\006\242\374\147\257 $\label{eq:condition} $$ \037\042\002\163\373\040\012\257\235\124\113\241\315\377\140\107$ \260\077\135\357\033\126\275\227\041\226\055\012\321\136\235\070 $\label{eq:control} $$ \02107\154\271\364\366\043\045\270\240\152\232\053\167\010\372 \304\261\050\220\046\130\010\074\342\176\252\327\075\157\272\061 \210\012\005\353\047\265\241\111\356\240\105\124\173\346\047\145 \231\040\041\250\243\274\373\030\226\273\122\157\014\355\203\121 \114\351\131\342\040\140\305\302\145\222\202\214\363\020\037\016 \212\227\276\167\202\155\077\217\035\135\274\111\047\275\314\117 \017\341\316\166\206\004\043\305\300\214\022\133\375\333\204\240 \044\361\110\377\144\174\320\276\134\026\321\357\231\255\300\037 \373\313\256\274\070\042\006\046\144\332\332\227\016\077\050\025 \104\250\117\000\312\360\232\314\317\164\152\264\076\074\353\225 \354\265\323\132\330\201\231\351\103\030\067\353\263\273\321\130 \142\101\363\146\322\217\252\170\225\124\040\303\132\056\164\053 \325\321\276\030\151\300\254\325\244\317\071\272\121\204\003\145 \351\142\300\142\376\330\115\125\226\342\320\021\372\110\064\021 \354\236\355\005\035\344\310\326\035\206\313$

END

CKA_NSS_MOZILLA_CA_POLICY

CK BBOOL CK TRUE

CKA_NSS_SERVER_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

 $\label{eq:condition} $$ \036\071\300\123\346\036\051\202\013\312\122\125\066\135\127\334 END$

CKA_ISSUER MULTILINE_OCTAL

```
\123\040\122\157\157\164\040\122\062
END
CKA_SERIAL_NUMBER
MULTILINE OCTAL
\002\015\002\003\345\256\305\215\004\045\032\253\021\045\252
END
CKA TRUST SERVER AUTH CK TRUST CKT NSS TRUSTED DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA TRUST STEP UP APPROVED CK BBOOL CK FALSE
#
# Certificate "GTS Root R3"
# Issuer: CN=GTS Root R3,O=Google Trust Services LLC,C=US
# Serial Number:02:03:e5:b8:82:eb:20:f8:25:27:6d:3d:66
# Subject: CN=GTS Root R3,O=Google Trust Services LLC,C=US
# Not Valid Before: Wed Jun 22 00:00:00 2016
# Not Valid After: Sun Jun 22 00:00:00 2036
# Fingerprint (SHA-256):
34:D8:A7:3E:E2:08:D9:BC:DB:0D:95:65:20:93:4B:4E:40:E6:94:82:59:6E:8B:6F:73:C8:42:6B:01:0A:6F:48
# Fingerprint (SHA1): ED:E5:71:80:2B:C8:92:B9:5B:83:3C:D2:32:68:3F:09:CD:A0:1E:46
CKA_CLASS
CK OBJECT CLASS CKO CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA PRIVATE CK BBOOL CK FALSE
CKA MODIFIABLE CK BBOOL CK FALSE
CKA_LABEL UTF8 "GTS Root R3"
CKA CERTIFICATE TYPE CK CERTIFICATE TYPE CKC X 509
CKA SUBJECT MULTILINE OCTAL
\label{eq:condition} $$ \060\107\061\013\060\011\006\003\125\004\006\023\002\125\123\061 $$
\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
\label{eq:condition} $$ \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 $\label{eq:condition} $$ \052\206\110\316\075\004\003\003\060\107\061\013\060\011\006\003$ \125\004\006\023\002\125\123\061\042\060\040\006\003\125\004\012 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \003\125\004\003\023\013\107\124\123\040\122\157\157\164\040\122$ $\label{eq:condition} $$ \frac{132\\060\\107\\061\\013\\060\\011\\006\\003\\125\\004\\006\\023\\002\\125\\123$ $\label{eq:condition} $$ \061\042\060\040\006\003\125\004\012\023\031\107\157\157\147\154$ \145\040\124\162\165\163\164\040\123\145\162\166\151\143\145\163 $\label{eq:condition} $$ \040\114\114\103\061\024\060\022\006\003\125\004\003\023\013\107 $$$ \124\123\040\122\157\157\164\040\122\063\060\166\060\020\006\007 \052\206\110\316\075\002\001\006\005\053\201\004\000\042\003\142 $\label{eq:condition} $$ \000\004\037\117\063\207\063\051\212\241\204\336\313\307\041\130 $$$ \101\211\352\126\235\053\113\205\306\035\114\047\274\177\046\121 \162\157\342\237\326\243\312\314\105\024\106\213\255\357\176\206 \214\354\261\176\057\377\251\161\235\030\204\105\004\101\125\156 \053\352\046\177\273\220\001\343\113\031\272\344\124\226\105\011 \261\325\154\221\104\255\204\023\216\232\214\015\200\014\062\366 $\label{eq:condition} $$ 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 $\\ \\004\\ \\005\\ \\060\\ \\003\\ \\001\\ \\001\\ \\001\\ \\377\\ \\060\\ \\035\\ \\006\\ \\003\\ \\125\\ \\035\\ \\016\\ \\004\\ \\026$ \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 $\label{eq:condition} $$ \003\003\151\000\060\146\002\061\000\366\341\040\225\024\173 $$$ \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
{\tt CKA\_CLASS\ CK\_OBJECT\_CLASS\ CKO\_NSS\_TRUST}
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "GTS Root R3"
CKA CERT SHA1 HASH MULTILINE OCTAL
\355\345\161\200\053\310\222\271\133\203\074\322\062\150\077\011
\315\240\036\106
END
CKA_CERT_MD5_HASH
 MULTILINE_OCTAL
\076\347\235\130\002\224\106\121\224\345\340\042\112\213\347\163
END
CKA_ISSUER MULTILINE_OCTAL
\060\107\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\\ \\ \langle 042 \rangle 060 \rangle 040 \rangle 006 \rangle 003 \rangle 125 \rangle 004 \rangle 012 \rangle 023 \rangle 031 \rangle 107 \rangle 157 \rangle 147 \rangle 154 \rangle 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
```

END

CKA ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

 $\label{eq:condition} $$ \00107\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

 $\label{eq:condition} $$ \002\003\345\300\150\357\143\032\234\162\220\120\122 $$$

END

CKA VALUE MULTILINE OCTAL

 $\label{eq:condition} $$ \0.002\0.011\0.002\0.01\2.16\2.40\0.03\0.02\0.01\0.02\0.01\0.02$ \003\345\300\150\357\143\032\234\162\220\120\122\060\012\006\010 \052\206\110\316\075\004\003\003\060\107\061\013\060\011\006\003 \023\031\107\157\157\147\154\145\040\124\162\165\163\164\040\123 \145\162\166\151\143\145\163\040\114\114\103\061\024\060\022\006 \003\125\004\003\023\013\107\124\123\040\122\157\157\164\040\122 \132\060\107\061\013\060\011\006\003\125\004\006\023\002\125\123 \061\042\060\040\006\003\125\004\012\023\031\107\157\157\147\154 \145\040\124\162\165\163\164\040\123\145\162\166\151\143\145\163 \040\114\114\103\061\024\060\022\006\003\125\004\003\023\013\107 \124\123\040\122\157\157\164\040\122\064\060\166\060\020\006\007 \052\206\110\316\075\002\001\006\005\053\201\004\000\042\003\142 \000\004\363\164\163\247\150\213\140\256\103\270\065\305\201\060 \173\113\111\235\373\301\141\316\346\336\106\275\153\325\141\030 \065\256\100\335\163\367\211\221\060\132\353\074\356\205\174\242 $\label{eq:condition} $$ 100\166\073\251\306\270\107\330\052\347\222\221\152\163\351\261 $$$ $\label{eq:condition} $$ 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 $\label{eq:condition} $$ 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

 $\label{eq:condition} $$ 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

 $\label{eq:condition} $$ 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

 $\label{eq:condition} $$ \00104\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

 $\label{eq:condition} $$ \00104\061\013\060\011\006\003\125\004\006\023\002\106\111\061 $$ \032\060\030\006\003\125\004\012\014\021\124\145\154\151\141\040 $$ \003\125\004\003\125\004\003\124\145\154\151\141\040\122\157\157\164 $$ \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

\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\0042\060\015\006 \011\052\206\110\206\367\015\001\001\001\005\000\003\202\002\017 $\label{eq:condition} $$ \000\060\202\002\012\002\202\001\000\262\320\077\007\274\342 $$$ \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 $\label{eq:condition} $$ \000\300\263\164\150\176\262\257\307\325\142\263\172\077\120\312 $$$ \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 $\label{eq:condition} $$ \275\126\042\100\235\352\364\173\003\255\150\374\262\201\117\230 $$$ \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 $\label{eq:condition} $$ 326\346\211\126\053\310\343\174\336\343\377\211\345\065\156\050 $$$ \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 $\label{eq:condition} $$ \020\263\141\203\366\002\005\206\056\174\055\154\334\003\106\156$$ $\label{eq:condition} $$ \065\223\325\172\225\057\336\040\330\133\176\224\220\004\152\272$ \131\075\004\005\165\235\067\242\016\056\075\353\301\244\122\203 $\label{eq:condition} $$ 376\320\153\324\146\216\334\306\351\022\116\035\052\127\252\020 $$$ \274\174\136\202\175\246\246\311\362\055\271\365\027\047\255\321 \016\211\124\053\225\372\300\255\035\230\024\170\063\102\206\012 \251\163\265\373\164\015\267\033\060\031\304\132\016\034\047\267 \332\030\320\377\212\310\005\272\361\252\034\242\067\267\346\110 \244\106\054\224\352\250\166\142\107\213\020\123\007\110\127\154 \342\222\115\266\256\005\313\334\301\112\136\217\254\075\031\116 \302\355\140\165\053\333\301\312\102\325\002\003\001\000\001\243 \143\060\141\060\037\006\003\125\035\043\004\030\060\026\200\024 \162\254\344\063\171\252\105\207\366\375\254\035\236\326\307\057 \206\330\044\071\060\035\006\003\125\035\016\004\026\004\024\162 \254\344\063\171\252\105\207\366\375\254\035\236\326\307\057\206 \330\044\071\060\016\006\003\125\035\017\001\001\377\004\004\003 \002\001\006\060\017\006\003\125\035\023\001\001\377\004\005\060 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \031\032\211\065\031\074\323\311\124\174\250\360\054\346$$ \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 $\label{eq:condition} $$ \frac{342}177\256\026\326\126\130\271\332\040\261\203\025\241\357\212}{241\357\212} $$$ $\label{eq:condition} $$ \frac{115}{062}\frac{157}{101}\frac{057}{023}\frac{122}{202}\frac{224}{327}\frac{301}{170}\frac{242}{121}\frac{335}{122}\frac{115}{$ \053\160\155\267\032\371\367\260\340\147\227\126\333\174\141\123 \011\003\050\002\100\307\263\330\375\234\160\152\306\050\303\205 $\label{eq:condition} $$ \frac{351}{342}\frac{355}{032}\frac{223}{240}\frac{336}{113}\frac{230}{242}\frac{04}{076}\frac{005}{167}\frac{226}{001} $$$ \075\373\264\040\017\234\162\002\172\022\057\325\243\272\121\170 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \070\307\260\372\303\104\155\004\365\170\120\034\222\226\133 $$$ \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 $\label{eq:condition} $$ 301\127\022\146\161\114\372\123\343\127\353\142\225\011\236\124 $$$ $\label{eq:condition} $$ \frac{335}{321} \frac{074}{127} \frac{074}{275} \frac{070}{255} \frac{30}{144} \frac{267}{270} \frac{003}{232} \frac{123}{123}$ \126\140\135\263\330\102\033\134\113\022\212\034\353\353\175\306 $\label{eq:condition} $$ \frac{172\151\307\047\177\244\370\213\362\344\224\146\207\113\351\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

```
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
\label{eq:condition} $$ \271\231\315\321\163\120\212\304\107\005\010\234\214\210\373\276
\240\053\100\315
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\016\217\254\252\202\337\205\261\364\334\020\034\374\231\331\110
END
CKA_ISSUER MULTILINE_OCTAL
\060\104\061\013\060\011\006\003\125\004\006\023\002\106\111\061
\label{eq:condition} $$ \032\060\030\006\003\125\004\012\014\021\124\145\154\151\141\040 $$
\106\151\156\154\141\156\144\040\117\171\152\061\031\060\027\006
\003\125\004\003\014\020\124\145\154\151\141\040\122\157\157\164
\040\103\101\040\166\062
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\label{eq:condition} $$ \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
```

CK BBOOL CK TRUE

\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

 $\label{eq:condition} $$ \000110061\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

 $\label{eq:condition} $$ \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 \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 $\label{eq:condition} $$ \003\125\004\003\023\031\104\055\124\122\125\123\124\040\102\122$ \040\122\157\157\164\040\103\101\040\061\040\062\060\062\060\060 \166\060\020\006\007\052\206\110\316\075\002\001\006\005\053\201 \004\000\042\003\142\000\004\306\313\307\050\321\373\204\365\232 \357\102\024\040\341\103\153\156\165\255\374\053\003\204\324\166 \223\045\327\131\073\101\145\153\036\346\064\052\273\164\366\022 \316\350\155\347\253\344\074\116\077\104\010\213\315\026\161\313 \277\222\231\364\244\327\074\120\124\122\220\205\203\170\224\147 $\label{eq:condition} $$ 147\243\034\011\031\075\165\064\205\336\355\140\175\307\014\264 $$$ $\label{eq:condition} $$ 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 \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 $\\ 145 \\ 162 \\ 164 \\ 151 \\ 146 \\ 151 \\ 143 \\ 141 \\ 164 \\ 145 \\ 162 \\ 145 \\ 166 \\ 157 \\ 143 \\ 141 \\ 141 \\ 145 \\ 162 \\ 145 \\ 166 \\ 157 \\ 143 \\ 141 \\ 1$ \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 $\label{eq:condition} $$ \076\032\101\332\100\026\123\102\010\312\057\216\361\076\201\126$ \300\252\330\355\030\304\260\256\364\076\372\046\002\061\000\363 \050\342\306\333\053\231\373\267\121\270\044\243\244\224\172\032 $\label{eq:condition} $$ \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
\label{eq:condition} $$ \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
\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

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 $\label{eq:condition} $$ \060\060\060\060\132\027\015\063\065\060\062\061\061\060\071$$$ \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 $\label{eq:condition} $$ \05124\162\165\163\164\040\107\155\142\110\061\042\060\040\006$ \003\125\004\003\023\031\104\055\124\122\125\123\124\040\105\126 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \027\135\305\360\261\212\371\357\271\267\024\312\051\112\302\017 $$$ \251\177\165\145\111\052\060\147\364\144\367\326\032\167\332\303 \302\227\141\102\173\111\255\243\202\001\015\060\202\001\011\060 \017\006\003\125\035\023\001\001\377\004\005\060\003\001\001\377 \060\035\006\003\125\035\016\004\026\004\024\177\020\001\026\067 \072\244\050\344\120\370\244\367\354\153\062\266\376\351\213\060 \016\006\003\125\035\017\001\001\377\004\004\003\002\001\006\060 \201\306\006\003\125\035\037\004\201\276\060\201\273\060\076\240 $\\ \\ \langle 074 \rangle 240 \rangle 072 \rangle 206 \rangle 070 \rangle 150 \rangle 164 \rangle 164 \rangle 160 \rangle 072 \rangle 057 \rangle 057 \rangle 143 \rangle 162 \rangle 154 \rangle 056$ \144\055\164\162\165\163\164\056\156\145\164\057\143\162\154\057 \144\055\164\162\165\163\164\137\145\166\137\162\157\157\164\137 \143\141\137\061\137\062\060\062\060\056\143\162\154\060\171\240 \167\240\165\206\163\154\144\141\160\072\057\057\144\151\162\145 \143\164\157\162\171\056\144\055\164\162\165\163\164\056\156\145 \164\057\103\116\075\104\055\124\122\125\123\124\045\062\060\105 \126\045\062\060\122\157\157\164\045\062\060\103\101\045\062\060 $\label{eq:condition} $$ \061\045\062\060\062\060\054\117\075\104\055\124\162\165$$ \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 $\label{eq:condition} $$ \060\110\061\013\060\011\006\003\125\004\006\023\002\104\105\061 $$$ \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 $\label{eq:condition} $$ \040\103\101\040\061\040\062\060\062\060$$ **END** CKA SERIAL NUMBER

MULTILINE_OCTAL

 $\label{eq:condition} $$ \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):

#

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

 $\label{lem:condition} $$ \00116061013060011006003\125004006023\002\125\123\061 $$ \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

 $\label{eq:condition} $$ \000116\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\040\06\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

\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 $\label{eq:condition} $$ \063\070\064\040\122\157\157\164\040\107\065\060\166\060\020\006$ \007\052\206\110\316\075\002\001\006\005\053\201\004\000\042\003 \142\000\004\301\104\241\317\021\227\120\232\336\043\202\065\007 \315\320\313\030\235\322\361\177\167\065\117\073\335\224\162\122 \355\302\073\370\354\372\173\153\130\040\354\231\256\311\374\150 \263\165\271\333\011\354\310\023\365\116\306\012\035\146\060\114 \273\037\107\012\074\141\020\102\051\174\245\010\016\340\042\351 \323\065\150\316\233\143\237\204\265\231\115\130\240\216\365\124 \347\225\311\243\102\060\100\060\035\006\003\125\035\016\004\026 \004\024\301\121\105\120\131\253\076\347\054\132\372\040\042\022 $\label{eq:condition} $$ \007\200\210\174\021\152\060\016\006\003\125\035\017\001\001\377 $$$ $\label{eq:condition} $$ \004\004\003\002\001\206\060\017\006\003\125\035\023\001\001\377 $$$ \004\005\060\003\001\001\377\060\012\006\010\052\206\110\316\075 \354\374\156\125\003\331\147\154\046\116\203\306\375\311\373\053 \023\274\267\172\214\264\145\322\151\151\143\023\143\073\046\120 $\label{eq:condition} $$ \056\001\241\171\006\221\235\110\277\302\276\002\060\107\303\025$$ \173\261\240\221\231\111\223\250\074\174\350\106\006\213\054\362 $\label{eq:condition} $$ \001\000\224\235\142\310\211\275\031\204\024\351\245\373\001\270$ $\begin{tabular}{ll} $$ \015\166\103\214\056\123\313\174\337\014\027\226\120 \end{tabular}$

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
- # 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
\label{eq:condition} $$ \003\023\035\104\151\147\151\103\145\162\164\040\124\114\123\040 $$
\105\103\103\040\120\063\070\064\040\122\157\157\164\040\107\065
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\label{eq:condition} $$ \002\020\011\340\223\145\254\367\331\310\271\076\034\013\004\052
\056\363
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA TRUST EMAIL PROTECTION
CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA TRUST CODE SIGNING CK TRUST CKT NSS MUST VERIFY TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
#
# Certificate "DigiCert TLS RSA4096 Root G5"
# Issuer: CN=DigiCert TLS RSA4096 Root G5,O="DigiCert, Inc.",C=US
# Serial Number:08:f9:b4:78:a8:fa:7e:da:6a:33:37:89:de:7c:cf:8a
# Subject: CN=DigiCert TLS RSA4096 Root G5,O="DigiCert, Inc.",C=US
# Not Valid Before: Fri Jan 15 00:00:00 2021
# Not Valid After: Sun Jan 14 23:59:59 2046
# Fingerprint (SHA-256):
37:1A:00:DC:05:33:B3:72:1A:7E:EB:40:E8:41:9E:70:79:9D:2B:0A:0F:2C:1D:80:69:31:65:F7:CE:C4:AD:75
# Fingerprint (SHA1): A7:88:49:DC:5D:7C:75:8C:8C:DE:39:98:56:B3:AA:D0:B2:A5:71:35
CKA CLASS CK OBJECT CLASS CKO CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA PRIVATE CK BBOOL CK FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "DigiCert TLS RSA4096 Root G5"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\label{eq:condition} $$ \060\115\061\013\060\011\006\003\125\004\006\023\002\125\123\061 $$
\label{eq:condition} $$ \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
```

 $\label{eq:condition} $$ \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$

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\002\020\010\371\264\170\250\372\176\332\152\063\067\211\336\174 \317\212

END

END

CKA VALUE MULTILINE OCTAL

 $\label{eq:condition} $$ \060\202\005\146\060\202\003\116\240\003\002\001\002\002\002\001\002$ $\label{eq:condition} $$ \frac{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 $\label{eq:condition} $$ \005\006\003\125\004\012\023\016\104\151\147\151\103\145\162\164$$$ \054\040\111\156\143\056\061\045\060\043\006\003\125\004\003\023 $\label{eq:condition} $$ \034\104\151\147\151\103\145\162\164\040\124\114\123\040\122\123$ \101\064\060\071\066\040\122\157\157\164\040\107\065\060\036\027 \015\062\061\060\061\061\065\060\060\060\060\060\060\060\132\027\015 $\label{eq:condition} $$ \064\066\060\061\064\062\063\065\071\065\071\132\060\115\061\$ \013\060\011\006\003\125\004\006\023\002\125\123\061\027\060\025 \006\003\125\004\012\023\016\104\151\147\151\103\145\162\164\054 $\\ \\ 040\\111\\156\\143\\056\\060\\1045\\060\\043\\006\\003\\125\\004\\003\\023\\034$ \104\151\147\151\103\145\162\164\040\124\114\123\040\122\123\101 \064\060\071\066\040\122\157\157\164\040\107\065\060\202\002\042 \060\015\006\011\052\206\110\206\367\015\001\001\001\005\000\003 \202\002\017\000\060\202\002\012\002\202\002\001\000\263\320\364 \311\171\021\235\375\374\146\201\347\314\325\344\274\354\201\076 \152\065\216\056\267\347\336\257\371\007\115\317\060\235\352\011 \013\231\275\154\127\332\030\112\270\170\254\072\071\250\246\110 \254\056\162\345\275\353\361\032\315\347\244\003\251\077\021\264 \330\057\211\026\373\224\001\075\273\057\370\023\005\241\170\034 \216\050\340\105\340\203\364\131\033\225\263\256\176\003\105\345 \276\302\102\376\356\362\074\266\205\023\230\062\235\026\250\051 \302\013\034\070\334\237\061\167\134\277\047\243\374\047\254\267 \053\275\164\233\027\055\362\201\332\135\260\341\043\027\076\210 \112\022\043\320\352\317\235\336\003\027\261\102\112\240\026\114 \244\155\223\351\077\072\356\072\174\235\130\235\364\116\217\374 \073\043\310\155\270\342\005\332\314\353\354\303\061\364\327\247 \051\124\200\317\104\133\114\157\060\236\363\314\335\037\224\103 \235\115\177\160\160\015\324\072\321\067\360\154\235\233\300\024 \223\130\357\315\101\070\165\274\023\003\225\174\177\343\134\351 \325\015\325\342\174\020\142\252\153\360\075\166\363\077\243\350 \260\301\375\357\252\127\115\254\206\247\030\264\051\301\054\016 \277\144\276\051\214\330\002\055\315\134\057\362\177\357\025\364 \014\025\254\012\260\361\323\015\117\152\115\167\227\001\240\361 \146\267\267\316\357\316\354\354\245\165\312\254\343\341\143\367 \270\241\004\310\274\173\077\135\055\026\042\126\355\110\111\376

\247\057\171\060\045\233\272\153\055\077\235\073\304\027\347\035 \056\373\362\317\246\374\343\024\054\226\230\041\214\264\221\351 \031\140\203\362\060\053\006\163\120\325\230\073\006\351\307\212 \014\140\214\050\370\122\233\156\341\366\115\273\006\044\233\327 \053\046\077\375\052\057\161\365\326\044\276\177\061\236\017\155 $\label{eq:condition} $$ 350\217\117\115\243\077\377\065\352\337\111\136\101\217\206\371 $$ \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 $\label{eq:condition} $$ \000\001\243\102\060\100\060\035\006\003\125\035\016\004\026\004$ \024\121\063\034\355\066\100\257\027\323\045\315\151\150\362\257 $\label{eq:condition} $$ \frac{116}043\\076\\263\\101\\060\\016\\000\\003\\125\\035\\017\\001\\001\\377\\004$ $\\ \\004\\ \\003\\ \\002\\ \\001\\ \\206\\ \\006\\ \\0017\\ \\006\\ \\003\\ \\125\\ \\035\\ \\023\\ \\001\\ \\001\\ \\377\\ \\004$ \005\060\003\001\001\377\060\015\006\011\052\206\110\206\367\015 $\label{eq:condition} $$ \001\01\014\005\000\003\202\002\001\000\140\246\257\133\137\127 $$$ \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 $\label{eq:condition} $$ \031\162\036\243\311\207\376\251\103\144\226\072\310\123\004\012 $$$ \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 $\\ \sqrt{074} \sqrt{333} \sqrt{120} \sqrt{071} \sqrt{255} \sqrt{273} \sqrt{075} \sqrt{050} \sqrt{115} \sqrt{226} \sqrt{174} \sqrt{166} \sqrt{306} \sqrt{133} \sqrt{364} \sqrt{301}$ \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 $\label{eq:condition} $$ \220\256\155\003\340\034\243\240\226\011\273\175\243\267\052\020 $$$ \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 $\label{eq:condition} $$ \201\337\334\241\057\366\355\247\377\172\217\121\056\060\370\244 $$$ \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 $\label{eq:condition} $$ 101\350\011\035\343\040\230\252\067\117\377\367\361\342\051\160 $$$ \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 $\label{eq:condition} $$ \060\115\061\013\060\011\006\003\125\004\006\023\002\125\123\061 $$$ \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

 ${\tt CKA_TRUST_SERVER_AUTH\ CK_TRUST\ CKT_NSS_TRUSTED_DELEGATOR}$

CKA_TRUST_EMAIL_PROTECTION

 $CK_TRUST\ CKT_NSS_MUST_VERIFY_TRUST$

CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

 ${\tt CKA_TRUST_STEP_UP_APPROVED\ CK_BBOOL\ CK_FALSE}$

#

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

 $\label{eq:condition} $$ \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

 $\\ \\003\\\\023\\\\037\\\\104\\\\151\\\\1147\\\\151\\\\103\\\\145\\\\162\\\\162\\\\164\\\\040\\\\123\\\\115\\\\111\\\\115$

 $\label{eq:condition} $$ 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

 $\label{eq:condition} $$ \0011006\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

\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 $\\ \\ 040\\ \\ 111\\ \\ 156\\ \\ 143\\ \\ 056\\ \\ 061\\ \\ 050\\ \\ 060\\ \\ 046\\ \\ 006\\ \\ 003\\ \\ 125\\ \\ 004\\ \\ 003\\ \\ 023\\ \\ 037$ \103\103\040\120\063\070\064\040\122\157\157\164\040\107\065\060 \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 $\label{eq:condition} $$ 245\036\010\140\177\255\177\350\141\222\051\317\011\107\136\013 $$$ $\label{eq:condition} $$ \034\300\037\244\277\362\133\274\230\357\231\114\314\160\153\266$$ \272\320\050\035\277\276\004\243\102\060\100\060\035\006\003\125 $\label{eq:condition} $$ \035\016\004\026\004\024\163\172\153\226\333\102\007\213\122\146 $$$ \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 $\label{eq:condition} $$ \023\001\001\377\004\005\060\003\001\001\377\060\012\006\010\052$ \206\110\316\075\004\003\003\003\147\000\060\144\002\060\067\104 \365\062\200\343\161\353\364\155\317\174\314\221\232\303\156\161 \330\322\043\135\222\115\202\102\155\134\141\225\366\221\365\247 \010\366\152\227\351\234\224\055\230\160\375\063\266\011\002\060 \007\074\057\271\130\202\136\017\243\142\250\223\147\360\040\303 $\label{eq:condition} $$ \frac{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"
```

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

 ${\tt CKA_CLASS\ CK_OBJECT_CLASS\ CKO_NSS_TRUST}$

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

 $\label{eq:condition} $$ \034\270\247\010\311\015\040\171\001\240\262\066\177\360\225\145$$

 $\hspace{0.2cm} \hspace{0.2cm} \hspace$

END

[#] 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):

```
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
\label{eq:condition} $$ \002\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
\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

 $\label{eq:condition} $$ \000117061013\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\040\103\125\004\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

 $\label{eq:condition} $$ \002\020\005\366\272\004\043\203\106\313\175\134\346\271\133\272\034\125$

END

CKA_VALUE MULTILINE_OCTAL

 $\label{eq:condition} $$ \060\202\005\152\060\202\003\122\240\003\002\001\002\002\002\005$ \366\272\004\043\203\106\313\175\134\346\271\133\272\034\125\060 $\label{eq:condition} $$ \015\006\011\052\206\110\206\367\015\001\001\014\005\000\060\117 $$$ \061\013\060\011\006\003\125\004\006\023\002\125\123\061\027\060 \025\006\003\125\004\012\023\016\104\151\147\151\103\145\162\164 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \036\027\015\062\061\060\061\061\065\060\060\060\060\060\060\060\132$$ \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 $\label{eq:condition} $$ \023\036\104\151\147\151\103\145\162\164\040\123\115\111\115\105$$ \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 $\label{eq:condition} $$ \001\005\000\003\202\002\017\000\060\202\002\012\002\202\002\001$ \000\340\152\133\331\370\371\175\354\265\173\357\137\335\134\064 \330\332\135\321\313\145\165\253\041\174\133\000\324\202\157\105 \205\101\212\251\022\002\162\062\360\024\365\003\165\273\143\227 \111\017\100\231\013\032\036\126\247\322\320\341\253\335\345\004 \033\343\037\024\022\002\210\365\240\200\011\366\047\232\120\360 \272\343\242\340\254\152\024\221\265\153\070\020\172\242\061\341 \221\033\267\271\360\053\133\310\167\011\166\267\121\304\066\012 \231\123\124\104\045\267\011\065\206\027\005\126\223\075\101\267 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \277\276\115\120\130\260\013\315\060\166\051\365\317\345\266\152$$ \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 $\label{eq:condition} $$ 342\236\162\101\204\156\161\226\352\105\007\266\136\172\112\206$ \235\163\144\167\070\003\322\017\123\245\125\040\304\115\377\150 \157\125\251\352\335\161\344\117\331\205\243\174\116\051\002\236 $\label{eq:condition} $$ \013\011\362\032\123\314\000\246\335\321\064\366\015\301\060\261 $$$ \234\002\144\254\065\355\245\260\051\261\322\225\063\017\322\040 \063\275\354\043\113\362\031\371\332\230\144\344\054\061\037\056 \341\215\034\004\225\050\115\214\130\315\113\345\163\202\206\214 \354\250\326\171\134\373\144\273\334\014\114\050\366\027\257\342 \150\326\026\206\230\333\374\001\334\061\272\370\234\016\371\050 \106\112\341\375\226\006\105\171\021\150\027\145\134\213\046\207 \133\002\003\001\000\001\243\102\060\100\060\035\006\003\125\035 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \001\001\377\004\005\060\003\001\001\377\060\015\006\011\052\206 $$$ \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 $\label{eq:condition} $$ 165 \003 \253 \034 \013 \043 \334 \033 \212 \036 \067 \075 \035 \130 \217 \163 \$ \331\263\052\157\337\020\240\133\014\247\312\260\177\271\044\242 \001\065\062\345\136\106\101\353\330\177\163\347\102\351\244\121 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \216\043\170\015\055\257\237\257\236\074\011\302\227\000\355\072$ \151\034\161\077\071\337\323\217\304\146\365\357\066\224\017\363 \335\222\266\226\137\220\246\335\163\252\246\040\224\224\045\152 \011\014\162\344\023\043\140\114\243\312\027\056\173\147\000\333 \320\315\352\172\037\071\046\127\211\060\167\313\116\345\225\105 \117\137\373\066\134\075\371\040\265\072\020\045\117\223\062\132 \356\301\226\350\351\126\004\260\111\141\115\354\170\250\235\030 \301\377\330\352\057\126\357\225\053\173\004\136\147\343\125\100 \355\071\004\371\013\171\365\152\214\134\017\211\232\220\307\315 \213\336\333\046\065\241\156\315\263\102\362\242\017\073\014\216 $\label{eq:control} $$ \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

 $\label{eq:condition} $$133\305\255\342\232\247\124\332\204\211\123\245\376\327\133\106$$

\206\320\127\010

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

 $\label{eq:condition} $$ \frac{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

\003\023\036\104\151\147\151\103\145\162\164\040\123\115\111\115

 $\label{eq:condition} $$ 105\040\122\123\101\064\060\071\066\040\122\157\157\164\040\107 $$$

\065

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

 $\label{eq:condition} $$ \002\020\005\366\272\004\043\203\106\313\175\134\346\271\133\272$

\034\125

END

 $CKA_TRUST_SERVER_AUTH\ CK_TRUST\ CKT_NSS_MUST_VERIFY_TRUST$

CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

```
#
# 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
\label{eq:condition} $$ \022\060\020\006\003\125\004\012\023\011\103\145\162\164\141\151 
\156\154\171\061\032\060\030\006\003\125\004\003\023\021\103\145
\162\164\141\151\156\154\171\040\122\157\157\164\040\122\061
END
CKA ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\075\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\022\060\020\006\003\125\004\012\023\011\103\145\162\164\141\151
\label{eq:condition} $$ \frac{156}{154}\frac{061}{032}\frac{060}{030}\frac{006}{003}\frac{125}{004}\frac{003}{023}\frac{1103}{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\002\001\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\060\132\027
```

\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 $\label{eq:condition} $$ \frac{171 \cdot 061 \cdot 032 \cdot 060 \cdot 030 \cdot 006 \cdot 003 \cdot 125 \cdot 004 \cdot 003 \cdot 023 \cdot 021 \cdot 103 \cdot 145 \cdot 162 \cdot 164}{164} $$$ \042\060\015\006\011\052\206\110\206\367\015\001\001\001\005\000 $\label{eq:condition} $$ \003\202\002\017\000\060\202\002\012\002\202\002\001\000\320\066 $$$ \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 $\label{eq:condition} $$ \306\257\027\000\357\003\221\355\251\034\116\161\075\322\213\154$$ \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 $\label{eq:condition} $$ \frac{305}{206}046\frac{171}{262}021\frac{10}{136}305\frac{360}{012}124\frac{315}{111}246$ \277\002\234\322\104\247\355\343\170\357\106\136\155\161\321\171 \160\034\106\137\121\351\311\067\334\137\176\151\173\101\337\064 $\label{eq:condition} $$ 105\340\073\204\364\241\212\012\066\236\067\314\142\122\341\211 $$$ \015\050\371\172\043\261\015\075\075\232\375\235\201\357\054\220 $\label{eq:condition} $$ 300\173\104\116\273\111\340\016\112\126\222\274\313\265\335\171 $$$ \027\211\221\336\141\211\164\222\250\343\062\205\276\116\205\244 \113\131\313\053\305\170\216\161\124\320\002\067\231\214\345\111 $\label{eq:condition} $$ \frac{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 $\label{eq:condition} $$ \330\051\333\256\122\166\073\055\060\100\233\212\320\102\126\264$$ \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 $\label{eq:condition} $$ \001\000\001\243\102\060\100\060\016\006\003\125\035\017\001\001$ \377\004\004\003\002\001\006\060\017\006\003\125\035\023\001\001 \377\004\005\060\003\001\001\377\060\035\006\003\125\035\016\004 \026\004\024\340\252\077\045\215\237\104\134\301\072\350\056\256 \167\114\204\076\147\014\364\060\015\006\011\052\206\110\206\367 \015\001\001\013\005\000\003\202\002\001\000\271\127\257\270\022 \332\127\203\217\150\013\063\035\003\123\125\364\225\160\344\053 \075\260\071\353\372\211\142\375\367\326\030\004\057\041\064\335 \361\150\360\325\226\132\336\302\200\243\301\215\306\152\367\131 $\label{eq:condition} $$ 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 $\label{eq:condition} $$ 326\307\306\360\075\154\374\034\015\230\020\141\236\021\242\042$ $\label{eq:condition} $$ 327 \cdot 012 \cdot 362 \cdot 221 \cdot 172 \cdot 153 \cdot 071 \cdot 016 \cdot 057 \cdot 060 \cdot 303 \cdot 066 \cdot 111 \cdot 237 \cdot 340 \cdot 351$ $\label{eq:condition} $$ \017\002\104\120\067\224\125\175\352\237\366\073\272\224\245\114$$$ $\label{eq:condition} $$ \frac{351}{274}076\\ 121\\ 264\\ 350\\ 312\\ 222\\ 066\\ 124\\ 155\\ 134\\ 045\\ 050\\ 332\\ 335$ \255\024\375\323\356\342\042\005\353\320\362\267\150\022\327\132 $\label{eq:condition} $$ \212\101\032\306\222\245\132\073\143\105\117\277\341\072\167\042 $$$ \057\134\277\106\371\132\003\205\023\102\137\312\336\123\327\142 \265\246\065\004\302\107\377\231\375\204\337\134\316\351\136\200 $\label{eq:condition} $$ \050\101\362\175\347\036\220\330\117\166\076\202\074\015\374\245 $$$ $\label{eq:condition} $$ \033\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 $\label{eq:condition} $$ \036\126\000\120\036\014\220\301\226\265\330\024\205\273\247\015$$$ $\label{eq:condition} $$ \026\301\370\007\044\033\272\205\241\032\005\011\200\272\225\143 $$$ \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 $\label{eq:condition} $$ 310\054\063\222\22\060\307\116\214\145\063\020\144\027\375\044 $$$ $\label{eq:condition} $$ \027\226\321\215\302\072\152\053\353\023\213\104\362\041\363\112$ \032\267\167\137\327\355\210\244\162\345\071\037\225\235\276\147 $\label{eq:condition} $$ 301\160\021\075\273\364\370\111\267\343\046\227\072\237\322\137 $$$ \174\373\300\231\174\071\051\340\173\035\277\015\247\217\322\051 \064\156\044\025\313\336\220\136\277\032\304\146\352\302\346\272 $\label{eq:condition} $$ \071\137\212\231\251\101\131\007\260\054\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 "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 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
\label{eq:condition} $$ \frac{156}{154}\frac{061}{032}\frac{060}{030}\frac{006}{003}\frac{125}{004}\frac{003}{023}\frac{1103}{145} $$
\162\164\141\151\156\154\171\040\122\157\157\164\040\122\061
END
CKA_SERIAL_NUMBER
MULTILINE OCTAL
\002\021\000\216\017\371\113\220\161\150\145\063\124\364\324\104
\071\267\340
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA TRUST EMAIL PROTECTION CK TRUST CKT NSS MUST VERIFY TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
# Certificate "Certainly Root E1"
# Issuer: CN=Certainly Root E1,O=Certainly,C=US
# Serial Number:06:25:33:b1:47:03:33:27:5c:f9:8d:9a:b9:bf:cc:f8
# Subject: CN=Certainly Root E1,O=Certainly,C=US
# Not Valid Before: Thu Apr 01 00:00:00 2021
# Not Valid After: Sun Apr 01 00:00:00 2046
# Fingerprint (SHA-256):
B4:58:5F:22:E4:AC:75:6A:4E:86:12:A1:36:1C:5D:9D:03:1A:93:FD:84:FE:BB:77:8F:A3:06:8B:0F:C4:2D:C2
# Fingerprint (SHA1): F9:E1:6D:DC:01:89:CF:D5:82:45:63:3E:C5:37:7D:C2:EB:93:6F:2B
CKA CLASS
CK OBJECT CLASS CKO CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Certainly Root E1"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\075\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\label{eq:condition} $$ \022\060\020\006\003\125\004\012\023\011\103\145\162\164\141\151 $$
\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 LABEL UTF8 "Certainly Root R1"

CKA ID UTF8 "0"

CKA ISSUER MULTILINE OCTAL

 $\label{eq:condition} $$ \000/075/061/013/060/011/006/003/125/004/006/023/002/125/123/061 $$ \022/060/020/006/003/125/004/012/023/011/103/145/162/164/141/151 $$ \156/154/171/061/032/060/030/006/003/125/004/003/023/021/103/145 $$ \162/164/141/151/156/154/171/040/122/157/157/164/040/105/061 END$

CKA_SERIAL_NUMBER MULTILINE_OCTAL

\002\020\006\045\063\261\107\003\063\047\134\371\215\232\271\277 \314\370

END

CKA_VALUE MULTILINE_OCTAL

\060\202\001\367\060\202\001\175\240\003\002\001\002\002\002\006 $\\ \\ 045\\ \\ 063\\ \\ 261\\ \\ 107\\ \\ 003\\ \\ 063\\ \\ 047\\ \\ 134\\ \\ 371\\ \\ 215\\ \\ 232\\ \\ 271\\ \\ 277\\ \\ 314\\ \\ 370\\ \\ 060$ $\label{eq:condition} $$ \012\006\010\052\206\110\316\075\004\003\003\060\075\061\013\060 $$$ \011\006\003\125\004\006\023\002\125\123\061\022\060\020\006\003 \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 $\label{eq:condition} $$ \0.060\0.0$ \064\060\061\060\060\060\060\060\060\060\132\060\075\061\013\060\011 \006\003\125\004\006\023\002\125\123\061\022\060\020\006\003\125 \030\006\003\125\004\003\023\021\103\145\162\164\141\151\156\154 \171\040\122\157\157\164\040\105\061\060\166\060\020\006\007\052 \206\110\316\075\002\001\006\005\053\201\004\000\042\003\142\000 \004\336\157\370\177\034\337\355\371\107\207\206\261\244\300\212 $\label{eq:condition} $$ 370\202\227\200\352\217\310\112\136\052\175\210\150\247\001\142 $$$ \024\221\044\172\134\236\243\027\175\212\206\041\064\030\120\033 \020\336\320\067\113\046\307\031\140\200\351\064\275\140\031\066 $\label{eq:condition} $$100\326\051\207\011\074\221\172\366\274\023\043\335\131\116\004$$$ \136\317\310\002\034\030\123\301\061\330\332\040\351\104\215\344 \166\243\102\060\100\060\016\006\003\125\035\017\001\001\377\004 \004\003\002\001\006\060\017\006\003\125\035\023\001\001\377\004 \005\060\003\001\001\377\060\035\006\003\125\035\016\004\026\004 \024\363\050\030\313\144\165\356\051\052\353\355\256\043\130\070 \205\353\310\042\007\060\012\006\010\052\206\110\316\075\004\003 \003\003\150\000\060\145\002\061\000\261\216\132\040\303\262\031 $\label{eq:condition} $$ \frac{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

Trust for "Certainly Root E1"

```
# Issuer: CN=Certainly Root E1,O=Certainly,C=US
# Serial Number:06:25:33:b1:47:03:33:27:5c:f9:8d:9a:b9:bf:cc:f8
# Subject: CN=Certainly Root E1,O=Certainly,C=US
# Not Valid Before: Thu Apr 01 00:00:00 2021
# Not Valid After: Sun Apr 01 00:00:00 2046
# Fingerprint (SHA-256):
B4:58:5F:22:E4:AC:75:6A:4E:86:12:A1:36:1C:5D:9D:03:1A:93:FD:84:FE:BB:77:8F:A3:06:8B:0F:C4:2D:C2
# Fingerprint (SHA1): F9:E1:6D:DC:01:89:CF:D5:82:45:63:3E:C5:37:7D:C2:EB:93:6F:2B
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA TOKEN CK BBOOL CK TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA LABEL UTF8 "Certainly Root E1"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\371\341\155\334\001\211\317\325\202\105\143\076\305\067\175\302
\353\223\157\053
END
CKA CERT MD5 HASH MULTILINE OCTAL
\012\236\312\315\076\122\120\306\066\363\113\243\355\247\123\351
END
CKA ISSUER
MULTILINE_OCTAL
\060\075\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\022\060\020\006\003\125\004\012\023\011\103\145\162\164\141\151
\label{eq:condition} $$ \frac{156}{154}\frac{061}{032}\frac{060}{030}\frac{006}{003}\frac{125}{004}\frac{003}{023}\frac{1103}{145} $$
\162\164\141\151\156\154\171\040\122\157\157\164\040\105\061
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\label{eq:condition} $$ \002\006\045\063\261\107\003\063\047\134\371\215\232\271\277 $$
\314\370
END
{\tt CKA\_TRUST\_SERVER\_AUTH\ CK\_TRUST\ CKT\_NSS\_TRUSTED\_DELEGATOR}
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
#
# Certificate "E-Tugra Global Root CA RSA v3"
# Issuer: CN=E-Tugra Global Root CA RSA v3,OU=E-Tugra Trust Center,O=E-Tugra EBG A.S.,L=Ankara,C=TR
# Serial Number:0d:4d:c5:cd:16:22:95:96:08:7e:b8:0b:7f:15:06:34:fb:79:10:34
# Subject: CN=E-Tugra Global Root CA RSA v3,OU=E-Tugra Trust Center,O=E-Tugra EBG
A.S.,L=Ankara,C=TR
# Not Valid Before:
```

Wed Mar 18 09:07:17 2020

Not Valid After: Sun Mar 12 09:07:17 2045

Fingerprint (SHA-256):

EF:66:B0:B1:0A:3C:DB:9F:2E:36:48:C7:6B:D2:AF:18:EA:D2:BF:E6:F1:17:65:5E:28:C4:06:0D:A1:A3:F4:C2

Fingerprint (SHA1): E9:A8:5D:22:14:52:1C:5B:AA:0A:B4:BE:24:6A:23:8A:C9:BA:E2:A9

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE

CKA TOKEN CK BBOOL CK TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA LABEL UTF8 "E-Tugra Global Root CA RSA v3"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL

 $\label{eq:condition} $$ \000\201\200\061\013\060\0011\006\003\125\004\007\023\006\101\156\153\141\162\141\061\031\060\027\006\003\125\004\0012\023\020\105\055\124\165\147\162\141\040\103\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\165\147\162\141\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

 $\label{eq:control} $$ \000\201\200\061\013\060\011\006\003\125\004\0003\125\0004\0006\101\156\153\141\162\141\061\031\060\027\006\003\125\0004\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\0004\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\0004\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

 $\label{eq:constraint} $$ \000\202\005\363\060\202\003\333\240\003\002\001\002\002\002\4\015 \\ \ 115\305\315\0026\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\001\013 \\ \ 005\000\060\201\200\061\013\060\011\006\003\125\004\006\003\125\004\006\003\125\006\101\156\153 \\ \ 141\162\141\061\031\060\027\006\003\125\004\012\023\020\105\055 \\ \ 124\165\147\162\141\040\105\102\107\040\101\056\123\056\061\035 \\ \ 060\033\006\003\125\004\013\023\024\105\055\124\165\147\162\141 \\$

\040\124\162\165\163\164\040\103\145\156\164\145\162\061\046\060 \044\006\003\125\004\003\023\035\105\055\124\165\147\162\141\040 \107\154\157\142\141\154\040\122\157\157\164\040\103\101\040\122 \123\101\040\166\063\060\036\027\015\062\060\060\063\061\070\060 \071\060\067\061\067\132\027\015\064\065\060\063\061\062\060\071 \060\067\061\067\132\060\201\200\061\013\060\011\006\003\125\004 \006\023\002\124\122\061\017\060\015\006\003\125\004\007\023\006 \101\156\153\141\162\141\061\031\060\027\006\003\125\004\012\023 $\label{eq:condition} $$ \020\105\055\124\165\147\162\141\040\105\102\107\040\101\056\123 $$$ \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 $\label{eq:condition} $$ \061\046\060\044\006\003\125\004\003\023\035\105\055\124\165\147 $$$ \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 $\label{eq:condition} $$ \052\206\110\206\367\015\001\001\001\005\000\003\202\002\017\000 $$$ \060\202\002\012\002\202\002\001\000\242\146\360\211\267\162\173 $\label{eq:condition} $$ \356\011\311\143\322\323\103\335\136\303\246\204\070\112\361\215$ \201\273\024\275\107\350\100\027\363\075\303\170\105\162\246\056 \220\336\232\072\324\040\161\312\274\237\035\113\227\012\307\061 $\label{eq:condition} $$ \272\076\327\376\045\251\052\216\066\364\321\057\307\267\251\135$$ \063\334\060\160\370\100\154\113\262\246\061\141\321\064\074\075 \061\172\307\257\304\247\204\341\227\244\350\113\366\027\174 $\label{eq:condition} $$ 356\074\007\355\342\212\127\334\266\373\370\103\045\120\352\047 $$$ \201\250\206\274\217\122\112\226\072\140\032\226\273\375\163\364 \205\375\203\375\177\204\155\064\154\177\152\267\113\001\003\277 \255\151\267\327\062\331\365\127\152\351\206\202\076\245\146\061 \263\026\075\302\363\046\140\062\323\122\036\260\154\244\067\076 \364\365\257\353\341\337\200\006\317\052\101\347\146\011\341\113 \227\347\167\275\041\155\051\266\147\303\055\176\355\326\171\145 \321\317\072\266\321\261\136\126\141\120\172\132\316\116\120\061 $\label{eq:cond} $$ \200\03\230\107\347\344\030\174\104\132\306\244\263\073\306\306 $$$ \303\072\360\154\303\213\310\244\221\005\363\365\331\266\252\006 \241\267\253\344\261\352\041\024\134\203\244\374\377\266\120\323 \214\022\046\231\166\160\351\300\017\246\164\374\273\320\033\170 \316\162\222\342\050\234\274\346\351\011\330\072\323\211\346\276 \056\167\337\001\012\157\226\366\345\215\074\115\122\166\032\126 \341\163\176\027\254\075\255\154\243\122\022\030\160\346\200\116 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \005\000\003\202\002\001\000\211\250\162\177\214\353\316\056\030 $$$ $\label{eq:condition} $$ 304\020\200\055\020\014\377\373\024\315\004\340\024\074\116\232 $$$ \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 $\label{eq:condition} $$ 366\335\207\126\030\330\260\054\125\140\226\372\010\176\122\220 $$$ \365\113\246\056\207\174\313\040\333\006\076\240\135\003\167\175 $\label{eq:condition} $$ \242\074\023\033\051\242\023\125\240\075\024\042\257\157\270\320 $$$ \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 $\verb|232|210|277|166|107|357|367|260|013|227|146|322|104|317|140|122|$ \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 $\label{eq:condition} $$ \frac{35}{302}007\frac{137}{112}\frac{63}{057}077\frac{371}{026}\frac{212}{001}\frac{146}{357}\frac{272}{221} $$$ $\label{eq:condition} $$ \frac{312}{122}\frac{127}{173}\frac{256}{324}\frac{346}{017}\frac{335}{013}\frac{172}{177}\frac{213}{236}\frac{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
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
\label{eq:condition} $$ \042\276\020\366\302\370\003\210\163\137\063\051\107\050\107\244 $$
END
CKA ISSUER MULTILINE OCTAL
\label{eq:condition} $$ \060\201\200\061\013\060\011\006\003\125\004\006\023\002\124\122 $$
\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

 ${\sf CKA_MODIFIABLE}\ {\sf CK_BBOOL}\ {\sf CK_FALSE}$

CKA_LABEL UTF8 "E-Tugra Global Root CA ECC v3"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA SUBJECT MULTILINE OCTAL

 $\label{eq:condition} $$ \001\006\003\125\004\007\023\006\101\156\153\141\162$$$

 $\label{eq:condition} $$ \frac{147}{162}\frac{1040}{105}\frac{102}{107}\frac{040}{101}\frac{056}{123}\frac{056}{061}\frac{035}{060}\frac{033}{035} $$$

 $\\ \backslash 006 \backslash 003 \backslash 125 \backslash 004 \backslash 013 \backslash 023 \backslash 024 \backslash 105 \backslash 055 \backslash 124 \backslash 165 \backslash 147 \backslash 162 \backslash 141 \backslash 040 \backslash 124$

\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

 $\label{eq:control} $$ \000\201\200\061\013\060\011\006\003\125\004\0003\125\0004\0006\101\156\153\141\162\141\061\031\060\027\006\003\125\0004\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\0004\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\0004\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

 $\label{eq:condition} $$ \000\202\002\245\060\202\002\002\240\003\0002\001\0002\002\002\4046\106\0031\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\0003\006\201\200\061\013\060\011\006\003\125\004\006\0023\0002\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 \142\141\154\040\122\157\157\164\040\103\101\040\105\103\103\040 \166\063\060\036\027\015\062\060\060\063\061\070\060\071\064\066 \065\070\132\027\015\064\065\060\063\061\062\060\071\064\066\065 $\label{eq:condition} $$ \070\132\060\201\200\061\013\060\011\006\003\125\004\006\023\002$ $\label{eq:condition} $$ \frac{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 \040\124\162\165\163\164\040\103\145\156\164\145\162\061\046\060 $\\ \\004\\006\\003\\125\\004\\003\\023\\035\\105\\055\\124\\165\\147\\162\\141\\040$ $\label{eq:condition} $$ 107\154\157\142\141\154\040\122\157\157\164\040\103\101\040\105$$ \103\103\040\166\063\060\166\060\020\006\007\052\206\110\316\075 $\label{eq:condition} $$ \002\001\006\005\053\201\004\000\042\003\142\000\004\216\230\051 $$$ \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 $\label{eq:condition} $$ \frac{175\\154\\352\\115\\062\\200\\012\\262\\172\\011\\233\\151\\113\\230\\201\\342$ $\label{eq:condition} $$ \056\354\002\160\226\037\375\365\106\316\312\334\202\243\143\060$$$ \141\060\017\006\003\125\035\023\001\001\377\004\005\060\003\001 $\label{eq:condition} $$ \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 $\label{eq:condition} $$ \061\162\076\371\304\146\154\255\070\236\321\260\121\210\245\220 $$$ \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 $\label{eq:condition} $$ \000\060\146\002\061\000\346\005\130\151\141\345\055\312\015\313 $$$ \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

A.S.,L=Ankara,C=TR

[#] Trust for "E-Tugra Global Root CA ECC v3"

 $^{\# \} Issuer: CN=E-Tugra \ Global \ Root \ CA \ ECC \ v3, OU=E-Tugra \ Trust \ Center, O=E-Tugra \ EBG \ A.S., L=Ankara, C=TR \ A.S., L=A$

[#] 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

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

END

CKA ISSUER MULTILINE OCTAL

 $\label{eq:condition} $$ \060\201\200\061\013\060\011\006\003\125\004\006\023\002\124\122 $$$

 $\label{eq:condition} $$ \0061\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

 $\\ 147\\ 162\\ 141\\ 040\\ 105\\ 102\\ 107\\ 040\\ 101\\ 056\\ 123\\ 056\\ 061\\ 035\\ 060\\ 033$

\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):

 $*/opt/cola/permits/1538589024_1681232081.9126525/0/ca-certificates-bundle-20220614-r4-tar-gz/ca-certificates/ca-certificates-20220614-tar-bz2/ca-certificates-20220614/certdata.txt$

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

* C implementation based on the original Perl and shell versions

*

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*/

Found in path(s):

 $*/opt/cola/permits/1538589024_1681232081.9126525/0/ca-certificates-bundle-20220614-r4-tar-gz/ca-certificates/ca-certificates-20220614-tar-bz2/ca-certificates-20220614/c_rehash.c$

1.124 fastjson v1.6.4

1.124.1 Available under license:

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1.125 musl-utils 1.2.3-r4

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1.127 valyala-fastjson 1.6.4

1.127.1 Available under license:

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1.128 go-compute-metadata 0.2.3

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```
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// WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
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// limitations under the License.
// Code generated by protoc-gen-go_gapic. DO NOT EDIT.
package compute_test
import (
"context"
compute "cloud.google.com/go/compute/apiv1"
computepb "cloud.google.com/go/compute/apiv1/computepb"
)
func ExampleNewLicenseCodesRESTClient() {
ctx := context.Background()
// This snippet has been automatically generated and should be regarded as a code template only.
// It will require modifications to work:
- It may require correct/in-range values for request initialization.
// - It may require specifying regional endpoints when creating the service client as shown in:
// https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicenseCodesRESTClient(ctx)
if err != nil {
 // TODO: Handle error.
defer c.Close()
// TODO: Use client.
 _{-} = c
```

```
}
func ExampleLicenseCodesClient_Get() {
ctx := context.Background()
// This snippet has been automatically generated and should be regarded as a code template only.
// It will require modifications to work:
// - It may require correct/in-range values for request initialization.
// - It may require specifying regional endpoints when creating the service client as shown in:
// https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicenseCodesRESTClient(ctx)
if err != nil {
// TODO: Handle error.
defer c.Close()
req := &computepb.GetLicenseCodeRequest{
// TODO: Fill request
struct fields.
// See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetLicenseCodeRequest.
resp, err := c.Get(ctx, req)
if err != nil {
// TODO: Handle error.
// TODO: Use resp.
_{-} = resp
func ExampleLicenseCodesClient_TestIamPermissions() {
ctx := context.Background()
// This snippet has been automatically generated and should be regarded as a code template only.
// It will require modifications to work:
// - It may require correct/in-range values for request initialization.
// - It may require specifying regional endpoints when creating the service client as shown in:
// https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicenseCodesRESTClient(ctx)
if err != nil {
// TODO: Handle error.
defer c.Close()
req := &computepb.TestIamPermissionsLicenseCodeRequest{
// TODO: Fill request struct fields.
// See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#TestIamPermissionsLicenseCodeRequest.
}
resp,
err := c.TestIamPermissions(ctx, req)
if err != nil {
```

```
// TODO: Handle error.
// TODO: Use resp.
_{-} = resp
}
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// limitations under the License.
// Code generated by protoc-gen-go_gapic. DO NOT EDIT.
package compute_test
import (
"context"
compute "cloud.google.com/go/compute/apiv1"
computepb "cloud.google.com/go/compute/apiv1/computepb"
"google.golang.org/api/iterator"
func ExampleNewLicensesRESTClient() {
ctx := context.Background()
// This snippet has been automatically generated and should be regarded as a code template only.
// It will
require modifications to work:
// - It may require correct/in-range values for request initialization.
// - It may require specifying regional endpoints when creating the service client as shown in:
// https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
 // TODO: Handle error.
defer c.Close()
// TODO: Use client.
_ = c
}
```

```
func ExampleLicensesClient_Delete() {
ctx := context.Background()
// This snippet has been automatically generated and should be regarded as a code template only.
// It will require modifications to work:
// - It may require correct/in-range values for request initialization.
// - It may require specifying regional endpoints when creating the service client as shown in:
// https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
// TODO: Handle error.
defer c.Close()
req := &computepb.DeleteLicenseRequest{
//
TODO: Fill request struct fields.
// See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#DeleteLicenseRequest.
op, err := c.Delete(ctx, req)
if err != nil {
// TODO: Handle error.
}
err = op.Wait(ctx)
if err != nil {
// TODO: Handle error.
}
}
func ExampleLicensesClient_Get() {
ctx := context.Background()
// This snippet has been automatically generated and should be regarded as a code template only.
// It will require modifications to work:
// - It may require correct/in-range values for request initialization.
// - It may require specifying regional endpoints when creating the service client as shown in:
// https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
// TODO: Handle error.
defer c.Close()
req := &computepb.GetLicenseRequest{
// TODO: Fill request struct fields.
 // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetLicenseRequest.
}
resp,
```

```
err := c.Get(ctx, req)
if err != nil {
// TODO: Handle error.
// TODO: Use resp.
_{-} = resp
}
func ExampleLicensesClient_GetIamPolicy() {
ctx := context.Background()
// This snippet has been automatically generated and should be regarded as a code template only.
// It will require modifications to work:
// - It may require correct/in-range values for request initialization.
// - It may require specifying regional endpoints when creating the service client as shown in:
// https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
// TODO: Handle error.
defer c.Close()
req := &computepb.GetIamPolicyLicenseRequest{
// TODO: Fill request struct fields.
// See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetIamPolicyLicenseRequest.
resp, err := c.GetIamPolicy(ctx, req)
if err != nil {
// TODO: Handle error.
// TODO: Use resp.
_{-} = resp
}
func ExampleLicensesClient_Insert()
ctx := context.Background()
// This snippet has been automatically generated and should be regarded as a code template only.
// It will require modifications to work:
// - It may require correct/in-range values for request initialization.
// - It may require specifying regional endpoints when creating the service client as shown in:
// https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
// TODO: Handle error.
defer c.Close()
req := &computepb.InsertLicenseRequest{
```

```
// TODO: Fill request struct fields.
// See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#InsertLicenseRequest.
op, err := c.Insert(ctx, req)
if err != nil {
// TODO: Handle error.
}
err = op.Wait(ctx)
if err != nil {
// TODO: Handle error.
}
func ExampleLicensesClient_List() {
ctx := context.Background()
// This snippet has been automatically generated and should be regarded as a code template
only.
// It will require modifications to work:
// - It may require correct/in-range values for request initialization.
// - It may require specifying regional endpoints when creating the service client as shown in:
// https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
// TODO: Handle error.
defer c.Close()
req := &computepb.ListLicensesRequest{
// TODO: Fill request struct fields.
// See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#ListLicensesRequest.
it := c.List(ctx, req)
for {
 resp, err := it.Next()
 if err == iterator.Done {
 break
 if err != nil {
 // TODO: Handle error.
// TODO: Use resp.
 _{-} = resp
}
}
func ExampleLicensesClient_SetIamPolicy() {
ctx := context.Background()
```

```
// This snippet has been automatically generated and should be regarded as a code template only.
// It will require modifications to work:
// - It may require correct/in-range
values for request initialization.
// - It may require specifying regional endpoints when creating the service client as shown in:
// https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
// TODO: Handle error.
defer c.Close()
req := &computepb.SetIamPolicyLicenseRequest{
// TODO: Fill request struct fields.
// See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#SetIamPolicyLicenseRequest.
resp, err := c.SetIamPolicy(ctx, req)
if err != nil {
// TODO: Handle error.
// TODO: Use resp.
_{-} = resp
}
func ExampleLicensesClient_TestIamPermissions() {
ctx := context.Background()
// This snippet has been automatically generated and should be regarded as a code template only.
// It will require modifications to work:
// - It may require correct/in-range values for request initialization.
// - It may require specifying regional endpoints when creating the service client as shown
in:
// https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
// TODO: Handle error.
defer c.Close()
req := &computepb.TestIamPermissionsLicenseRequest{
// TODO: Fill request struct fields.
// See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#TestIamPermissionsLicenseRequest.
resp, err := c.TestIamPermissions(ctx, req)
if err != nil {
// TODO: Handle error.
// TODO: Use resp.
_{-} = resp
```

```
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// limitations under the License.
// Code generated by protoc-gen-go_gapic. DO NOT EDIT.
package compute
import (
"bytes"
"context"
"fmt"
"io/ioutil"
"math"
"net/http"
"net/url"
computepb "cloud.google.com/go/compute/apiv1/computepb"
gax "github.com/googleapis/gax-go/v2"
"google.golang.org/api/googleapi"
"google.golang.org/api/iterator"
 "google.golang.org/api/option"
 "google.golang.org/api/option/internaloption"
httptransport
 "google.golang.org/api/transport/http"
 "google.golang.org/grpc"
"google.golang.org/grpc/metadata"
 "google.golang.org/protobuf/encoding/protojson"
 "google.golang.org/protobuf/proto"
)
var newLicensesClientHook clientHook
// LicensesCallOptions contains the retry settings for each method of LicensesClient.
type LicensesCallOptions struct {
Delete
              []gax.CallOption
Get
             []gax.CallOption
```

```
GetIamPolicy
                  []gax.CallOption
Insert
             []gax.CallOption
             []gax.CallOption
List
SetIamPolicy
                 []gax.CallOption
TestIamPermissions []gax.CallOption
func defaultLicensesRESTCallOptions() *LicensesCallOptions {
return &LicensesCallOptions{
 Delete:
               []gax.CallOption{},
 Get:
              []gax.CallOption{},
 GetIamPolicy:
                   []gax.CallOption{},
 Insert:
               []gax.CallOption{},
 List:
              []gax.CallOption{},
 SetIamPolicy:
                  []gax.CallOption{},
 TestIamPermissions: []gax.CallOption{},
}
}
//
internalLicensesClient is an interface that defines the methods available from Google Compute Engine API.
type internalLicensesClient interface {
Close() error
setGoogleClientInfo(...string)
Connection() *grpc.ClientConn
Delete(context.Context, *computepb.DeleteLicenseRequest, ...gax.CallOption) (*Operation, error)
Get(context.Context, *computepb.GetLicenseRequest, ...gax.CallOption) (*computepb.License, error)
GetIamPolicy(context.Context, *computepb.GetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
Insert(context, *computepb.InsertLicenseRequest, ...gax.CallOption) (*Operation, error)
List(context, *computepb.ListLicensesRequest, ...gax.CallOption) *LicenseIterator
SetIamPolicy(context, Context, *computepb.SetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseRequest, ...gax.CallOption)
(*computepb.TestPermissionsResponse, error)
// LicensesClient
is a client for interacting with Google Compute Engine API.
// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
// The Licenses API.
type LicensesClient struct {
// The internal transport-dependent client.
internalClient internalLicensesClient
// The call options for this service.
```

```
CallOptions *LicensesCallOptions
// Wrapper methods routed to the internal client.
// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *LicensesClient) Close() error {
return c.internalClient.Close()
}
// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *LicensesClient) setGoogleClientInfo(keyval ...string) {
c.internalClient.setGoogleClientInfo(keyval...)
}
// Connection returns a connection to the API service.
//
//
Deprecated: Connections are now pooled so this method does not always
// return the same resource.
func (c *LicensesClient) Connection() *grpc.ClientConn {
return c.internalClient.Connection()
}
// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are
creating Cloud Marketplace images.
func (c *LicensesClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts ...gax.CallOption)
(*Operation, error) {
return c.internalClient.Delete(ctx, req, opts...)
// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners
who are creating Cloud Marketplace images.
func (c *LicensesClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption)
(*computepb.License, error) {
return c.internalClient.Get(ctx, req, opts...)
}
// GetIamPolicy gets the access control policy for a resource. May be empty if no such policy or resource
exists. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace
images.
func (c *LicensesClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest, opts
...gax.CallOption) (*computepb.Policy, error) {
return c.internalClient.GetIamPolicy(ctx, req, opts...)
}
```

```
// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-
party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts ...gax.CallOption)
(*Operation, error) {
return c.internalClient.Insert(ctx, req, opts...)
}
// List retrieves the list of licenses available in the specified project. This method does not get any licenses that
belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a
list of publicly-available licenses, use this method
to make a request to the respective image project, such as debian-cloud or windows-cloud. Caution This resource is
intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) List(ctx context.Context, req *computepb.ListLicensesRequest, opts ...gax.CallOption)
*LicenseIterator {
return c.internalClient.List(ctx, req, opts...)
}
// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This
resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest, opts
...gax.CallOption) (*computepb.Policy, error) {
return c.internalClient.SetIamPolicy(ctx, req, opts...)
// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
intended for use only by third-party partners who are creating Cloud
Marketplace images.
func (c *LicensesClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse,
error) {
return c.internalClient.TestIamPermissions(ctx, req, opts...)
// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
type licensesRESTClient struct {
// The http endpoint to connect to.
endpoint string
// The http client.
httpClient *http.Client
// operationClient is used to call the operation-specific management service.
operationClient *GlobalOperationsClient
// The x-goog-* metadata to be sent with each request.
xGoogMetadata metadata.MD
```

```
// Points back to the CallOptions field of the containing LicensesClient
CallOptions **LicensesCallOptions
}
// NewLicensesRESTClient creates a new licenses rest client.
// The Licenses API.
func NewLicensesRESTClient(ctx context.Context, opts ...option.ClientOption)
(*LicensesClient, error) {
clientOpts := append(defaultLicensesRESTClientOptions(), opts...)
httpClient, endpoint, err := httptransport.NewClient(ctx, clientOpts...)
if err != nil {
 return nil, err
callOpts := defaultLicensesRESTCallOptions()
c := &licensesRESTClient{
 endpoint: endpoint,
 httpClient: httpClient,
 CallOptions: &callOpts,
c.setGoogleClientInfo()
o := []option.ClientOption{
 option.WithHTTPClient(httpClient),
 option.WithEndpoint(endpoint),
opC, err := NewGlobalOperationsRESTClient(ctx, o...)
if err != nil {
 return nil, err
c.operationClient = opC
return &LicensesClient{internalClient: c, CallOptions: callOpts}, nil
func defaultLicensesRESTClientOptions() []option.ClientOption {
return []option.ClientOption{
 internaloption.WithDefaultEndpoint("https://compute.googleapis.com"),
 internal option. With Default MTLS Endpoint ("https://compute.mtls.googleapis.com"),
 internaloption. With Default Audience ("https://compute.googleapis.com/"),
 internaloption.WithDefaultScopes(DefaultAuthScopes()...),
}
}
```

//

```
setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *licensesRESTClient) setGoogleClientInfo(keyval ...string) {
kv := append([]string{"gl-go", versionGo()}, keyval...)
kv = append(kv, "gapic", getVersionClient(), "gax", gax.Version, "rest", "UNKNOWN")
c.xGoogMetadata = metadata.Pairs("x-goog-api-client", gax.XGoogHeader(kv...))
}
// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *licensesRESTClient) Close() error {
// Replace httpClient with nil to force cleanup.
c.httpClient = nil
if err := c.operationClient.Close(); err != nil {
 return err
return nil
}
// Connection returns a connection to the API service.
//
// Deprecated: This method always returns nil.
func (c *licensesRESTClient) Connection()
*grpc.ClientConn {
return nil
// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are
creating Cloud Marketplace images.
func (c *licensesRESTClient) Delete(ctx context, Context, req *computepb.DeleteLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
baseUrl, err := url.Parse(c.endpoint)
if err != nil {
 return nil, err
baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())
params := url.Values{ }
if req!= nil && req.RequestId!= nil {
 params.Add("requestId", fmt.Sprintf("%v", req.GetRequestId()))
baseUrl.RawQuery = params.Encode()
// Build HTTP headers from client and context metadata.
md := metadata.Pairs("x-goog-request-params", fmt.Sprintf("% s=% v&% s=% v", "project",
url.QueryEscape(req.GetProject()), "license", url.QueryEscape(req.GetLicense())))
```

```
headers := buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type",
"application/json"))
opts = append((*c.CallOptions).Delete[0:len((*c.CallOptions).Delete):len((*c.CallOptions).Delete)], \ opts...)
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
resp := &computepb.Operation{ }
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
if settings.Path != "" {
 baseUrl.Path = settings.Path
httpReq, err := http.NewRequest("DELETE", baseUrl.String(), nil)
if err != nil {
 return err
httpReq = httpReq.WithContext(ctx)
httpReq.Header = headers
httpRsp, err := c.httpClient.Do(httpReq)
if err != nil {
 return err
defer httpRsp.Body.Close()
if err = googleapi.CheckResponse(httpRsp); err != nil {
 return err
}
buf, err := ioutil.ReadAll(httpRsp.Body)
if err != nil {
 return err
}
if err := unm.Unmarshal(buf, resp); err != nil {
 return maybeUnknownEnum(err)
}
return nil
}, opts...)
if e!= nil {
return nil, e
op := &Operation{
&globalOperationsHandle{
 c:
   c.operationClient,
 proto: resp,
 project: req.GetProject(),
},
```

```
return op, nil
// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners
who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Get(ctx context, context, req *computepb.GetLicenseRequest, opts ...gax.CallOption)
(*computepb.License, error) {
baseUrl, err := url.Parse(c.endpoint)
if err != nil {
 return nil, err
baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())
// Build HTTP headers from client and context metadata.
md := metadata.Pairs("x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "license", url.QueryEscape(req.GetLicense())))
headers := buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type", "application/json"))
opts = append((*c.CallOptions).Get[0:len((*c.CallOptions).Get):len((*c.CallOptions).Get)],\\
opts...)
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
resp := &computepb.License{ }
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
 if settings.Path != "" {
  baseUrl.Path = settings.Path
 httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
 if err != nil {
  return err
 }
 httpReq = httpReq.WithContext(ctx)
 httpReq.Header = headers
 httpRsp, err := c.httpClient.Do(httpReq)
 if err != nil {
  return err
 defer httpRsp.Body.Close()
 if err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }
 buf, err := ioutil.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }
```

```
if err := unm.Unmarshal(buf, resp); err != nil {
 return maybeUnknownEnum(err)
 }
 return nil
}, opts...)
if e!= nil {
 return nil, e
return resp, nil
// GetIamPolicy gets the access control policy for a resource. May be empty if no such policy or resource
exists. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace
images.
func (c *licensesRESTClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
baseUrl, err := url.Parse(c.endpoint)
if err != nil {
 return nil, err
baseUrl.Path += fmt.Sprintf("/compute/v1/projects/% v/global/licenses/% v/getIamPolicy", req.GetProject(),
req.GetResource())
params := url.Values{ }
if req != nil && req.OptionsRequestedPolicyVersion != nil {
 params. Add ("options Requested Policy Version", fmt. Sprintf ("\%v", req. Get Options Requested Policy Version ())) \\
baseUrl.RawQuery = params.Encode()
// Build HTTP headers from client and context metadata.
md := metadata.Pairs("x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource())))
headers := buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type",
"application/json"))
opts =
append((*c.CallOptions).GetIamPolicy[0:len((*c.CallOptions).GetIamPolicy):len((*c.CallOptions).GetIamPolicy)],
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
resp := &computepb.Policy{ }
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
 if settings.Path != "" {
 baseUrl.Path = settings.Path
 httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
```

```
if err != nil {
  return err
 httpReq = httpReq.WithContext(ctx)
 httpReq.Header = headers
 httpRsp, err := c.httpClient.Do(httpReq)
 if err != nil {
  return err
 }
 defer httpRsp.Body.Close()
 if err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 }
 buf, err := ioutil.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }
 if err := unm.Unmarshal(buf, resp); err != nil {
  return maybeUnknownEnum(err)
 return nil
}, opts...)
if e != nil {
 return
nil, e
}
return resp, nil
// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-
party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
m := protojson.MarshalOptions\{AllowPartial: true\}
body := req.GetLicenseResource()
jsonReq, err := m.Marshal(body)
if err != nil {
 return nil, err
}
baseUrl, err := url.Parse(c.endpoint)
if err != nil {
 return nil, err
```

```
baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())
params := url.Values{ }
if req!= nil && req.RequestId!= nil {
params.Add("requestId", fmt.Sprintf("%v", req.GetRequestId()))
}
baseUrl.RawQuery = params.Encode()
// Build HTTP headers from client and context metadata.
md := metadata.Pairs("x-goog-request-params", fmt.Sprintf("%s=%v", "project",
url.QueryEscape(req.GetProject())))
headers
:= buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type", "application/json"))
opts = append((*c.CallOptions).Insert[0:len((*c.CallOptions).Insert):len((*c.CallOptions).Insert)], opts...)
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
resp := &computepb.Operation{ }
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
if settings.Path != "" {
 baseUrl.Path = settings.Path
httpReq,\ err := http.NewRequest("POST",\ baseUrl.String(),\ bytes.NewReader(jsonReq))
if err != nil {
 return err
httpReq = httpReq.WithContext(ctx)
httpReq.Header = headers
httpRsp, err := c.httpClient.Do(httpReq)
if err != nil {
 return err
 }
defer httpRsp.Body.Close()
if err = googleapi.CheckResponse(httpRsp); err != nil {
 return err
buf, err := ioutil.ReadAll(httpRsp.Body)
if err != nil {
 return err
 }
if err := unm.Unmarshal(buf, resp); err != nil {
 return maybeUnknownEnum(err)
 }
```

```
return
nil
}, opts...)
if e!= nil {
 return nil, e
}
op := &Operation{
 &globalOperationsHandle{
        c.operationClient,
 proto: resp,
 project: req.GetProject(),
 },
return op, nil
}
// List retrieves the list of licenses available in the specified project. This method does not get any licenses that
belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a
list of publicly-available licenses, use this method to make a request to the respective image project, such as debian-
cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating
Cloud Marketplace images.
func (c *licensesRESTClient) List(ctx context.Context, req *computepb.ListLicensesRequest, opts
...gax.CallOption) *LicenseIterator {
it := &LicenseIterator{}
req = proto.Clone(req).(*computepb.ListLicensesRequest)
unm := protojson.UnmarshalOptions{AllowPartial: true,
DiscardUnknown: true}
it.InternalFetch = func(pageSize int, pageToken string) ([]*computepb.License, string, error) {
 resp := &computepb.LicensesListResponse{ }
 if pageToken != "" {
 req.PageToken = proto.String(pageToken)
 if pageSize > math.MaxInt32 {
 req.MaxResults = proto.Uint32(math.MaxInt32)
 } else if pageSize != 0 {
 req.MaxResults = proto.Uint32(uint32(pageSize))
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
 return nil, "", err
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())
 params := url.Values{ }
 if req!= nil && req.Filter!= nil {
 params.Add("filter", fmt.Sprintf("%v", req.GetFilter()))
 }
```

```
if req!= nil && req.MaxResults!= nil {
 params.Add("maxResults", fmt.Sprintf("%v", req.GetMaxResults()))
if req!= nil && req.OrderBy!= nil {
 params.Add("orderBy", fmt.Sprintf("%v", req.GetOrderBy()))
if req != nil && req.PageToken != nil {
 params.Add("pageToken", fmt.Sprintf("%v",
req.GetPageToken()))
}
if req != nil && req.ReturnPartialSuccess != nil {
 params. Add ("return Partial Success", fmt. Sprintf ("\%v", req. Get Return Partial Success ())) \\
}
baseUrl.RawQuery = params.Encode()
// Build HTTP headers from client and context metadata.
headers := buildHeaders(ctx, c.xGoogMetadata, metadata.Pairs("Content-Type", "application/json"))
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
 if settings.Path != "" {
 baseUrl.Path = settings.Path
 httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
 if err != nil {
 return err
 httpReq.Header = headers
 httpRsp, err := c.httpClient.Do(httpReq)
 if err != nil {
 return err
 defer httpRsp.Body.Close()
 if err = googleapi.CheckResponse(httpRsp); err != nil {
 return err
 }
 buf, err := ioutil.ReadAll(httpRsp.Body)
 if err != nil {
 return err
 if err := unm.Unmarshal(buf, resp); err != nil {
 return
maybeUnknownEnum(err)
 }
```

```
return nil
   }, opts...)
   if e!= nil {
    return nil, "", e
   it.Response = resp
   return resp.GetItems(), resp.GetNextPageToken(), nil
 }
 fetch := func(pageSize int, pageToken string) (string, error) {
   items, nextPageToken, err := it.InternalFetch(pageSize, pageToken)
   if err != nil {
    return "", err
   it.items = append(it.items, items...)
   return nextPageToken, nil
 }
 it.pageInfo, it.nextFunc = iterator.NewPageInfo(fetch, it.bufLen, it.takeBuf)
 it.pageInfo.MaxSize = int(req.GetMaxResults())
 it.pageInfo.Token = req.GetPageToken()
 return it
// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This
resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
 m := protojson.MarshalOptions{AllowPartial:
 true }
 body := req.GetGlobalSetPolicyRequestResource()
 jsonReq, err := m.Marshal(body)
 if err != nil {
  return nil, err
 baseUrl, err := url.Parse(c.endpoint)
 if err != nil {
   return nil, err
 baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/setIamPolicy", req.GetProject(),
req.GetResource())
 // Build HTTP headers from client and context metadata.
 md := metadata. Pairs ("x-goog-request-params", fmt. Sprintf ("%s=%v\&%s=%v", "project", fmt. Sprintf ("%s=%v&%s=%v", fmt. Sprintf ("%s=%v", fmt. Sprintf ("%s=
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource())))
```

```
headers := buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type", "application/json"))
opts =
append((*c.CallOptions).SetIamPolicy[0:len((*c.CallOptions).SetIamPolicy):len((*c.CallOptions).SetIamPolicy)],
opts...)
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
resp := &computepb.Policy{}
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings)
error {
 if settings.Path != "" {
  baseUrl.Path = settings.Path
 httpReq,\ err := http.NewRequest("POST",\ baseUrl.String(),\ bytes.NewReader(jsonReq))
 if err != nil {
  return err
 httpReq = httpReq.WithContext(ctx)
 httpReq.Header = headers
 httpRsp, err := c.httpClient.Do(httpReq)
 if err != nil {
  return err
 }
 defer httpRsp.Body.Close()
 if err = googleapi.CheckResponse(httpRsp); err != nil {
  return err
 buf, err := ioutil.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }
 if err := unm.Unmarshal(buf, resp); err != nil {
  return maybeUnknownEnum(err)
 return nil
}, opts...)
if e != nil {
 return nil, e
return resp, nil
}
// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) TestIamPermissions(ctx context.Context, req
```

```
*computepb.TestIamPermissionsLicenseRequest,
opts ...gax.CallOption) (*computepb.TestPermissionsResponse, error) {
m := protojson.MarshalOptions{AllowPartial: true}
body := req.GetTestPermissionsRequestResource()
jsonReq, err := m.Marshal(body)
if err != nil {
return nil, err
baseUrl, err := url.Parse(c.endpoint)
if err != nil {
return nil, err
baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/testIamPermissions", req.GetProject(),
req.GetResource())
// Build HTTP headers from client and context metadata.
md := metadata.Pairs("x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource())))
headers := buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type", "application/json"))
opts =
append((*c.CallOptions).TestIamPermissions[0:len((*c.CallOptions).TestIamPermissions):len((*c.CallOptions).TestIamPermissions)
tIamPermissions)], opts...)
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown:
true }
resp := &computepb.TestPermissionsResponse{ }
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
if settings.Path != "" {
 baseUrl.Path = settings.Path
httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
if err != nil {
 return err
httpReq = httpReq.WithContext(ctx)
httpReq.Header = headers
httpRsp, err := c.httpClient.Do(httpReq)
if err != nil {
 return err
defer httpRsp.Body.Close()
if err = googleapi.CheckResponse(httpRsp); err != nil {
 return err
 }
```

```
buf, err := ioutil.ReadAll(httpRsp.Body)
 if err != nil {
  return err
 }
 if err := unm.Unmarshal(buf, resp); err != nil {
  return maybeUnknownEnum(err)
 }
 return nil
}, opts...)
if e!= nil {
 return nil. e
return resp, nil
}
// LicenseIterator manages a stream of *computepb.License.
type LicenseIterator struct {
items []*computepb.License
pageInfo *iterator.PageInfo
nextFunc func() error
//
Response is the raw response for the current page.
// It must be cast to the RPC response type.
// Calling Next() or InternalFetch() updates this value.
Response interface{}
// InternalFetch is for use by the Google Cloud Libraries only.
// It is not part of the stable interface of this package.
// InternalFetch returns results from a single call to the underlying RPC.
// The number of results is no greater than pageSize.
// If there are no more results, nextPageToken is empty and err is nil.
InternalFetch func(pageSize int, pageToken string) (results []*computepb.License, nextPageToken string, err error)
}
// PageInfo supports pagination. See the google.golang.org/api/iterator package for details.
func (it *LicenseIterator) PageInfo() *iterator.PageInfo {
return it.pageInfo
// Next returns the next result. Its second return value is iterator. Done if there are no more
// results. Once Next returns Done, all subsequent calls will return Done.
func (it *LicenseIterator)
Next() (*computepb.License, error) {
var item *computepb.License
```

```
if err := it.nextFunc(); err != nil {
  return item, err
}
item = it.items[0]
it.items = it.items[1:]
  return item, nil
}

func (it *LicenseIterator) bufLen() int {
  return len(it.items)
}

func (it *LicenseIterator) takeBuf() interface{} {
  b := it.items
  it.items = nil
  return b
}
```

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// Code generated by protoc-gen-go_gapic. DO NOT EDIT.
package compute
import (
"bytes"
"context"
"fmt"
"io/ioutil"
"net/http"
"net/url"
computepb "cloud.google.com/go/compute/apiv1/computepb"
gax "github.com/googleapis/gax-go/v2"
"google.golang.org/api/googleapi"
 "google.golang.org/api/option"
 "google.golang.org/api/option/internaloption"
httptransport "google.golang.org/api/transport/http"
 "google.golang.org/grpc"
```

```
"google.golang.org/grpc/metadata"
"google.golang.org/protobuf/encoding/protojson"
var
newLicenseCodesClientHook clientHook
// LicenseCodesCallOptions contains the retry settings for each method of LicenseCodesClient.
type LicenseCodesCallOptions struct {
             []gax.CallOption
TestIamPermissions []gax.CallOption
func defaultLicenseCodesRESTCallOptions() *LicenseCodesCallOptions {
return &LicenseCodesCallOptions{
               []gax.CallOption{},
 Get:
 TestIamPermissions: []gax.CallOption{},
}
// internalLicenseCodesClient is an interface that defines the methods available from Google Compute Engine API.
type internalLicenseCodesClient interface {
Close() error
setGoogleClientInfo(...string)
Connection() *grpc.ClientConn
Get(context.Context, *computepb.GetLicenseCodeRequest, ...gax.CallOption) (*computepb.LicenseCode, error)
TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseCodeRequest, ...gax.CallOption)
(*computepb.TestPermissionsResponse, error)
}
// LicenseCodesClient is a client for interacting with Google Compute Engine API.
// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
//
// The LicenseCodes API.
type LicenseCodesClient struct {
// The internal transport-dependent client.
internalClient internalLicenseCodesClient
// The call options for this service.
CallOptions *LicenseCodesCallOptions
// Wrapper methods routed to the internal client.
// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *LicenseCodesClient) Close() error {
```

```
return c.internalClient.Close()
}
// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *LicenseCodesClient) setGoogleClientInfo(keyval ...string) {
c.internalClient.setGoogleClientInfo(keyval...)
//
Connection returns a connection to the API service.
// Deprecated: Connections are now pooled so this method does not always
// return the same resource.
func (c *LicenseCodesClient) Connection() *grpc.ClientConn {
return c.internalClient.Connection()
// Get return a specified license code. License codes are mirrored across all projects that have permissions to read the
License Code. Caution This resource is intended for use only by third-party partners who are creating Cloud
Marketplace images.
func (c *LicenseCodesClient) Get(ctx context.Context, req *computepb.GetLicenseCodeRequest, opts
...gax.CallOption) (*computepb.LicenseCode, error) {
return c.internalClient.Get(ctx, req, opts...)
}
// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicenseCodesClient) TestIamPermissions(ctx context.Context,
req *computepb.TestIamPermissionsLicenseCodeRequest, opts ...gax.CallOption)
(*computepb.TestPermissionsResponse, error) {
return c.internalClient.TestIamPermissions(ctx, req, opts...)
}
// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
type licenseCodesRESTClient struct {
// The http endpoint to connect to.
endpoint string
// The http client.
httpClient *http.Client
// The x-goog-* metadata to be sent with each request.
xGoogMetadata metadata.MD
// Points back to the CallOptions field of the containing LicenseCodesClient
```

```
CallOptions **LicenseCodesCallOptions
}
// NewLicenseCodesRESTClient creates a new license codes rest client.
// The LicenseCodes API.
func NewLicenseCodesRESTClient(ctx context.Context, opts ...option.ClientOption) (*LicenseCodesClient, error) {
clientOpts := append(defaultLicenseCodesRESTClientOptions(), opts...)
httpClient, endpoint, err := httptransport.NewClient(ctx,
clientOpts...)
if err != nil {
 return nil, err
}
callOpts := defaultLicenseCodesRESTCallOptions()
c := &licenseCodesRESTClient{
 endpoint: endpoint,
 httpClient: httpClient,
 CallOptions: &callOpts,
c.setGoogleClientInfo()
return &LicenseCodesClient{internalClient: c, CallOptions: callOpts}, nil
func defaultLicenseCodesRESTClientOptions() []option.ClientOption {
return []option.ClientOption{
 internaloption.WithDefaultEndpoint("https://compute.googleapis.com"),
 internal option. With Default MTLSEndpoint ("https://compute.mtls.googleapis.com"),
 internaloption. With Default Audience ("https://compute.googleapis.com/"),
 internaloption.WithDefaultScopes(DefaultAuthScopes()...),
}
}
// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *licenseCodesRESTClient) setGoogleClientInfo(keyval ...string) {
kv := append([]string{"gl-go",
versionGo()}, keyval...)
kv = append(kv, "gapic", getVersionClient(), "gax", gax.Version, "rest", "UNKNOWN")
c.xGoogMetadata = metadata.Pairs("x-goog-api-client", gax.XGoogHeader(kv...))
}
// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *licenseCodesRESTClient) Close() error {
// Replace httpClient with nil to force cleanup.
```

```
c.httpClient = nil
return nil
// Connection returns a connection to the API service.
// Deprecated: This method always returns nil.
func (c *licenseCodesRESTClient) Connection() *grpc.ClientConn {
return nil
}
// Get return a specified license code. License codes are mirrored across all projects that have permissions to read the
License Code. Caution This resource is intended for use only by third-party partners who are creating Cloud
Marketplace images.
func (c *licenseCodesRESTClient) Get(ctx context, Context, req *computepb.GetLicenseCodeRequest, opts
...gax.CallOption)
(*computepb.LicenseCode, error) {
baseUrl, err := url.Parse(c.endpoint)
if err != nil {
 return nil, err
baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenseCodes/%v", req.GetProject(),
req.GetLicenseCode())
// Build HTTP headers from client and context metadata.
md := metadata.Pairs("x-goog-request-params", fmt.Sprintf("% s=% v&% s=% v", "project",
url.QueryEscape(req.GetProject()), "license_code", url.QueryEscape(req.GetLicenseCode())))
headers := buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type", "application/json"))
opts = append((*c.CallOptions).Get[0:len((*c.CallOptions).Get):len((*c.CallOptions).Get)], opts...)
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
resp := &computepb.LicenseCode{}
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
 if settings.Path != "" {
  baseUrl.Path = settings.Path
 httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
 if err
!= nil {
  return err
 httpReq = httpReq.WithContext(ctx)
 httpReq.Header = headers
 httpRsp, err := c.httpClient.Do(httpReq)
 if err != nil {
  return err
 }
```

```
defer httpRsp.Body.Close()
   if err = googleapi.CheckResponse(httpRsp); err != nil {
    return err
   }
   buf, err := ioutil.ReadAll(httpRsp.Body)
   if err != nil {
    return err
   }
   if err := unm.Unmarshal(buf, resp); err != nil {
    return maybeUnknownEnum(err)
   }
   return nil
  }, opts...)
  if e != nil {
   return nil. e
  return resp, nil
 }
// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licenseCodesRESTClient) TestIamPermissions(ctx context.Context, req
 *computepb.TestIamPermissionsLicenseCodeRequest, opts ...gax.CallOption)
(*computepb.TestPermissionsResponse, error) {
  m := protojson.MarshalOptions{AllowPartial: true}
  body := req.GetTestPermissionsRequestResource()
 jsonReq,
  err := m.Marshal(body)
  if err != nil {
   return nil, err
  }
  baseUrl, err := url.Parse(c.endpoint)
  if err != nil {
   return nil, err
  baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenseCodes/%v/testIamPermissions",
 req.GetProject(), req.GetResource())
 // Build HTTP headers from client and context metadata.
  md := metadata. Pairs ("x-goog-request-params", fmt. Sprintf ("%s=%v\&%s=%v", "project", fmt. Sprintf ("%s=%v&%s=%v", "project", fmt. Sprintf ("%s=%v%s=%v", "project", fmt. Sprintf ("%s=%v", "project", fmt. Sprintf ("%s=%v%s=%v", "project", fmt. Sprintf ("%s=%v", "project", 
 url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource())))
  headers := buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type", "application/json"))
```

```
opts =
append ((*c.Call Options). Test Iam Permissions [0:len ((*c.Call Options). Test Iam Permissions): len ((*c.Call Optio
tIamPermissions)], opts...)
 unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
 resp := &computepb.TestPermissionsResponse{ }
 e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
  if settings.Path
 != "" {
     baseUrl.Path = settings.Path
   httpReq,\ err := http.NewRequest("POST",\ baseUrl.String(),\ bytes.NewReader(jsonReq))
   if err != nil {
     return err
   httpReq = httpReq.WithContext(ctx)
   httpReq.Header = headers
   httpRsp, err := c.httpClient.Do(httpReq)
   if err != nil {
     return err
   defer httpRsp.Body.Close()
   if err = googleapi.CheckResponse(httpRsp); err != nil {
     return err
   }
   buf, err := ioutil.ReadAll(httpRsp.Body)
   if err != nil {
     return err
   }
   if err := unm.Unmarshal(buf, resp); err != nil {
     return maybeUnknownEnum(err)
   }
  return nil
 }, opts...)
 if e!= nil {
  return nil, e
 return resp, nil
```

1.129 thanos v0.27.0

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1.131 github.com/go-kit/log v0.2.1

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1.135 github.com/bmatcuk/doublestar/v4

v4.6.0

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1.136 prometheus-operator-prometheus-operator-pkg-client 0.62.0

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1.137 kubernetes-apimachinery 0.25.6

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1.138 kubernetes-api 0.25.6

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1.142 prometheus-operator-prometheus-operator v0.58.0

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1.146 openssl 3.0.8-r3

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1.147 protobuf v1.30.0

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1.148 x-text 0.9.0

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1.149 k8s-io-api v0.25.6

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1.150 controller-runtime v0.13.1

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1.151 go-restful v3.10.0

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1.152 component-base v0.25.4

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1.155 prometheus-operator v0.62.0

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1.158 k8s-io-kube-openapi v0.0.0-20221110221610-a28e98eb7c70

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package spec

// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
    Name string `json:"name,omitempty"`
    URL string `json:"url,omitempty"`
}
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1.159 fasthttp v1.2.0

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1.160 victoriametrics-fasthttp 1.2.0

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1.162 klauspost-compress 1.16.5

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Found in path(s):

- $*/opt/cola/permits/1679307840_1684350625.2594848/0/dbosak01-logr-v1-2-4-0-g8c5ac86-1-tar-gz/dbosak01-gz/dbosak01-gz/dbosak01-gz/dbosak01-gz/dbosak01-gz/dbosak01-gz/dbosak01-gz/dbosak01-gz/dbosak01-gz$

```
8c5ac86/docs/bootstrap-toc.js
No license file was found, but licenses were detected in source scan.
Source: https://github.com/algolia/docsearch/
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*/
Found in path(s):
8c5ac86/docs/docsearch.css
No license file was found, but licenses were detected in source scan.
Package: logr
Title: Creates Log Files
Version: 1.2.4
Authors@R:
 person(given = "David",
     family = "Bosak",
     role = c("aut", "cre"),
     email = "dbosak01@gmail.com")
Description: Contains functions to help create log files. The
 package aims to overcome the difficulty of the base R sink() command. The
 log_print() function will print to both the console and the file log,
 without interfering in other write operations.
License: CC0
Encoding: UTF-8
URL: https://logr.r-sassy.org
BugReports: https://github.com/dbosak01/logr/issues
Depends: R (>= 3.4.0)
Suggests: knitr,
    rmarkdown,
     testthat,
    tidylog,
     dplyr,
    utils
Imports: withr
VignetteBuilder: knitr
Roxygen: list(markdown = TRUE)
RoxygenNote: 7.1.1
Found in path(s):
*/opt/cola/permits/1679307840_1684350625.2594848/0/dbosak01-logr-v1-2-4-0-g8c5ac86-1-tar-gz/dbosak01-logr-
```

8c5ac86/DESCRIPTION

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1.177 go-uber-org-atomic v1.11.0

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1.183 golang 1.20.7

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1.184 metricsql v0.56.2

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1.186 victoriametrics-victoriametrics 1.91.3

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

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Support for streaming Protocol Buffer messages for the Go language (golang).

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gosnappy - a fork of code.google.com/p/snappy-go

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go-zookeeper - Native ZooKeeper client for Go

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name: license-check

```
push:
  paths:
   - 'vendor'
pull_request:
  paths:
   - 'vendor'
permissions:
contents: read
jobs:
build:
  name: Build
  runs-on: ubuntu-latest
  steps:
   - name: Setup Go
    uses: actions/setup-go@main
    with:
     go-version: 1.20.5
    id: go
   - name: Code checkout
```

uses: actions/checkout@master

```
- name: Check License
run: |
make check-licenses
MIT License
```

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Go support for Protocol Buffers - Google's data interchange format

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Protocol Buffers for Go with Gadgets

Go support for Protocol Buffers - Google's data interchange format

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1.187 victoriametrics-operator-api 0.0.0-20230823155322-039852a0af32

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- */opt/cola/permits/1784848062_1711742503.8448014/0/api-1009-zip/api/v1beta1/vmauth_webhook.go
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- */opt/cola/permits/1784848062_1711742503.8448014/0/api-1009-

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- $*/opt/cola/permits/1784848062_1711742503.8448014/0/api-1009-zip/api/v1beta1/zz_generated.deepcopy.go$

1.188 victoriametrics-metrics 1.24.0

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1.189 victoriametrics-metricsql 0.56.2

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1.190 githubcomgolangprotobuf v1.5.2

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1.192 json iterator go v1.1.12

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1.193 githubcommoderngoreflect2 v1.0.2

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1.199 golang-protobuf-extensions 1.0.4

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1.201 logr 1.2.4

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```
Package: logr
Title: Creates Log Files
Version: 1.2.4
Authors@R:
 person(given = "David",
      family = "Bosak",
      role = c("aut", "cre"),
      email = "dbosak01@gmail.com")
Description: Contains functions to help create log files. The
 package aims to overcome the difficulty of the base R sink() command. The
 log_print() function will print to both the console and the file log,
  without interfering in other write operations.
License: CC0
Encoding: UTF-8
URL: https://logr.r-sassy.org
BugReports: https://github.com/dbosak01/logr/issues
Depends: R (>= 3.4.0)
Suggests: knitr,
     rmarkdown,
     testthat,
     tidylog,
     dplyr,
     utils
Imports: withr
VignetteBuilder: knitr
Roxygen: list(markdown = TRUE)
RoxygenNote: 7.1.1
Found in path(s):
*/opt/cola/permits/1893063483_1706126891.2118979/0/dbosak01-logr-v1-2-4-0-g8c5ac86-1-tar-gz/dbosak01-logr-
8c5ac86/DESCRIPTION
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```

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Found in path(s):

- * /opt/cola/permits/1893063483_1706126891.2118979/0/dbosak01-logr-v1-2-4-0-g8c5ac86-1-tar-gz/dbosak01-logr-8c5ac86/docs/bootstrap-toc.js
- $*/opt/cola/permits/1893063483_1706126891.2118979/0/dbosak01-logr-v1-2-4-0-g8c5ac86-1-tar-gz/dbosak01-gz/dbosak01-gz/dbosak01-gz/dbosak01-gz/dbosak01-gz/dbosak01-gz/dbosak01-gz/dbosak01-gz/dbosak01-gz$

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Source: https://github.com/algolia/docsearch/

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* /opt/cola/permits/1893063483_1706126891.2118979/0/dbosak01-logr-v1-2-4-0-g8c5ac86-1-tar-gz/dbosak01-logr-8c5ac86/docs/docsearch.css

1.202 xxhash v2.2.0

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1.203 victoriametrics-operator V0.36.0

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*/

Found in path(s):

- * /opt/cola/permits/1953341721_1711742413.0601435/0/operator-44-zip/operator/api/v1beta1/groupversion_info.go
- */opt/cola/permits/1953341721 1711742413.0601435/0/operator-44-zip/operator/api/v1beta1/vmauth webhook.go
- */opt/cola/permits/1953341721_1711742413.0601435/0/operator-44-zip/operator/api/v1beta1/vmprobe_types.go
- * /opt/cola/permits/1953341721_1711742413.0601435/0/operator-44-

zip/operator/api/v1beta1/vmalertmanagerconfig_types.go

*

/opt/cola/permits/1953341721_1711742413.0601435/0/operator-44-zip/operator/api/v1beta1/vmuser_webhook.go

*/opt/cola/permits/1953341721_1711742413.0601435/0/operator-44-

zip/operator/api/v1beta1/vmalertmanagerconfig_webhook.go

* /opt/cola/permits/1953341721_1711742413.0601435/0/operator-44-zip/operator/api/v1beta1/zz_generated.deepcopy.go

1.204 go.uber.org/atomi 1.11.0

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1.205 gopkg.in-yaml 3.0.1

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1.206 spew 1.1.1

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1.207 xxhash 2.2.0

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1.208 kubernetes-klog 2.80.1

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1.209 mergo 0.3.13

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import: ../../../fossene/db/schema/thing.yml

fields:

site: string author: root

1.210 gofuzz 1.2.0

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1.211 goprotobuf 1.5.3

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1.212 xxhash 2.1.2

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1.213 protobuf 1.28.0

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1.214 gopkg.in-inf 0.9.1

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1.215 protobuf 1.30.0

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1.216 golang-protobuf-extensions 1.0.1

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1.217 go-uber-org-multierr 1.7.0

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1.218 fsnotify 1.6.0

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1.219 easyjson 0.7.7

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1.220 jsonpatch 2.2.0

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1.221 controller-runtime 0.13.1

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1.222 yaml 1.3.0

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1.223 errors 0.9.1

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1.224 google-uuid 1.3.0

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1.225 goprotobuf 1.5.2

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Protocol Buffers for Go with Gadgets

Go support for Protocol Buffers - Google's data interchange format

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1.226 units 0.0.0-20211218093645-

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1.227 structured-merge-diff 4.2.3

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